

Brewer Cote

"The Pavement Maintenance Specialists" of Arizona
Catalog 2022

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BREWER COTE® *Of Arizona*

Brewer Cote of Arizona is a 4th Generation Family Business! Pinckney Brewer started spreading tar chips in 1888 at Chillicothe, Ohio. In 1952 the Family moved to Cincinnati, Ohio to Manufacture Asphalt & Paving products. We are Proud to be a part of this Legacy.

Brewer Cote of Arizona has Manufactured Professional Pavement Maintenance Products and Equipment for over 40 years, in the same location. Our products exceed all Federal and State Specifications and Guidelines. We have a wide range of Crack Sealants, Rejuvenators, Sealers, and Concrete repair products. (SDS's provided)

Samples and Demos Gladly Provided

BREWER COTE OF ARIZONA INC ® "THE PAVEMENT MAINTENANCE SPECIALISTS"

5226 West Missouri Avenue, Glendale, Arizona 85301

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Brewer Cote of Arizona ACRYLIC COAT



Protects Surface from UV Rays.
Easy to apply. Fast Drying.
Oil & Fuel Resistant.

Binds Aggregate into Surface, Reduces Raveling. Resists Cracking & Chipping
Flexible Coating. Prevents Water Damage. Environmentally Safe.
Can be Customized with Aggregate loading.

Acrylic Coat is Highly Milled Emulsion uses the benefits of cationic binders and polymers produce a superior sealer. **Acrylic Coat** attaches and seals the asphalt sub-strait and is highly resistant to UV, water and fuel. **Acrylic Coat** is a blend of select mineral fibers, plasterers and asphalt-ness in a stable P.G. Grade Asphalt; can be customized with aggregate loading. **Acrylic Coat** is a flexible, fast drying, easy to apply, environmentally safe, resists cracking.

Like most of **Brewer Cote of Arizona's® Products**, **Acrylic Coat** last up to Three Times Longer than most Sealcoats of its form.

ARCYLIC COAT HISTORY

Originally developed for Sky Harbor Airport, City of Phoenix to replace the Rejuvenator that had been used for years to maintain color (more than 5 yrs.) of Asphalt Taxiways and Runway Shoulders. In 2020 the FAA published EB72A; Positive Identification of runways, this recommendation was to seal all areas adjacent to active pavements with a product that would maintain color and delineate the different surfaces. **Acrylic Coat** is now the standard for longevity in ware and color retention.

ACRYLIC COAT

METHOD OF APPLICATION

Brush, Squeegee, or Conventional Oil Spreading Equipment

WEATHER LIMITATIONS

For best results, do not apply on rainy, foggy, extremely humid days, or when temperature is expected to drop below 50° F during the next 6 hrs. Allow a full summer cycle before sealing new asphalt. Drying time is 2 hrs maximum.

PACKAGING

5 gal pail / 49 lbs
55 gal Drums / 520 lbs

COLOR

Satin Black

CLEAN UP

Water Soluble Tar
& Asphalt Remover

Physical Properties

ASTM	TEST DESCRIPTION	RESULTS
D2923-5	Uniformity	Pass
D562	Viscosity, Krebs Units	60-110 KU
D2923-7	Density at 25° C (77° F) b/ml (lbs/gal)	8-9 lbs/gal
D244-89	VOC Content by Volume %	<10 g/l
D2939-8	Residue by Evaporation %	30 %-50 %
D93	Flash Point ° F	>450° F
D36	Softening Point	>200° F
D2939-14	Resistance to Heat	Pass
D2939-15	Resistance to Water	Pass
D2939-19	Wet Flow	Pass
D2939-20	Direct Flame Test	Pass
D2939-22	Wet Film Continuity	Pass
D2939-25	Resistance to Kerosene	Pass
ISSA (TB-100)	Wet Track Abrasion	< 5 g/ft 2 loss
G154	Accelerated Weathering	Pass
D95	Water Content, %	50 %-70 %
D2939-10	Ash Content of Residue, %	12 %-20 %
D2939-13	Drying Time, Firm Set	2-6 hrs
D2939-16	Flexibility – No flaking, Cracking or Loss of Adhesion to Sub-strait	Pass

Environmental Properties

ASTM	TEST DESCRIPTION	RESULTS
PAH %	Polycyclic Aromatic Hydrocarbon Content	<.10%
VOC %	Determination of Volatile Organic-Compounds in Coatings	< 1% g/l

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COAL TAR EMULSION

A Heavy Coal Tar Pitch Emulsion containing Rubber additives for greater adhesion and longer life, along with reinforcement geotextile fibers. Resists cracking caused by oxidation from sunlight and eliminates soft spots which form when gasoline, motor oil or jet fuel is spilled on asphalt. This proven professional coating may be used with complete confidence on any asphalt pavement. It is a continuing maintenance requirement for parking lots, driveways, gasoline stations, school yards, airport runways, or anywhere that the asphalt surface is exposed to gas and oil spillage, extensive abrasion, or weathering extremes.

ADVANTAGES

- Meets all Federal, State FAA, and Military specifications.
- Resists hydrocarbons, gas, oil, and chemicals.
- Spray or squeegee application for customized results.
- Highly resistant to Ultra Violet light and water degradation.
- Tough durable finish that is skid resistant and reduces cleaning costs.
- Beautifies your pavement investment.
- Eliminates raveling and is non-scuffing.

COAL TAR EMULSION

Method of Application

Make sure area is clean and free from all loose material and dirt. Use Squeegee or mechanical equipment to put product onto surface. Sand can be added at the rate of 1 to 6 lbs. per gal to provide greater traction and longer life. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Coverage

50 to 100 sq. ft per gal.

**Two coats are recommended on unsealed pavements, consult project manager.

Drying time

8 hrs. max at 70° F,
50% relative humidity.

Clean up

When wet use water,
dry use an asphalt/tar remover.

Color

Charcoal black

Packaging

Bulk transport.

Specifications

ITEM	FED. SPEC. R-P-355e	RESULTS
Specific gravity, 25° C Non-volatile material	1.20 Min.	1.23
Percent Solids	47% Min	49.4
Ash Content %	30-40% Min.	34.6
Solubility in CS %	20.0 Min.	46.0
Water Content %	53% Max.	49.6
Drying Time- Hours	8.0 Max.	5.5

*Meets the following Requirements: ASTM D 5727, RP 355e, and ASTM D 3320-74T, FAA P627, P628, Brief 46a, ASTM D 140, ASTM D 466, ASTM B 117, ASTM D 529, ASTM D 2939, ASTM D 244

ARCTIC SEAL



ARCTIC SEAL is a unique colloid milled blend of polymerized asphalt, minerals, fibers and our proprietary reflective medium technology. Producing an environmentally friendly cooler coating. **ARCTIC SEAL** lowers the service temperature up to 40% and increases reflectivity. Use **ARCTIC SEAL** where extreme temperatures create hazards for Schools, Playgrounds, Office Complexes and Low Volume Roads.

ADVANTAGES

Environmentally Safe
Dries to Light Gray
Reflective, Lower Glare
Easy to Clean

Bonds well to Sealed Surfaces
Meets all State & Public Works Specifications
Go Green, very low VOC's
Lower Surface Temperatures



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COVERAGE

Smooth dense pavements	min. 2.5 gal per 100 sq. ft (23gal per sq. yd)
Medium surfaces	min. 3.0 gal per 100 sq. ft (27 gal per sq. yd)
Rough, aged surfaces	min. 4.5 gal per 100 sq. ft (40 gal per sq. yd)
Excessively rough surfaces	min. 5.0 gal per 100 sq. ft (45 gal per sq. yd)

Coverage is based on 2 coats before dilution

** Consult with Project Manager for other Recommendations**

METHOD OF APPLICATION

Make sure area is clean and free from all loose material and dirt. To apply Spray, Squeegee Or use Mechanical Equipment product onto surface, make sure surface is damp while applying product with fog system. Product may be diluted with maximum of 20% water. Priming may be necessary on aged surfaces, using SS-H1 and 2 parts water and applied at 1 gal per sq. ft. Do not over dilute Arctic Seal. Consult your Project Manager if needed.

DRYING TIME

8 hrs. Max at 70° F
50% Relative Humidity

CLEAN UP

Water Soluble or
Biodegradable Solvent

PACKAGING

5-gal Pail (49 lbs.)
55-gal Drums (520 lbs.)
Bulk (9 lbs.)

COLOR

Light Grey

SPECIFICATIONS

TEST	METHOD	MIN.	MAX.	RESULTS
Weight per gallon	ASTM D244	11.0 lbs.	12.0 lbs.	11.2 lbs.
Cone Penetration	ASTM D217	344 mm	500 mm	370 mm
% Non-Volatile	ASTM A-1	60	68	62
% Non-Volatile	ASTM D2042	20	35	30
Soluble in Trichloroethylene by wt.				
Wet Track Abrasion	ASTM D3910		15.3	4.6
Mod. For Sand Seal 8 lbs. + 10 mins.				
Percentage Loss			5%	1.5%

WEATHERING

TEST	METHOD	RESULTS
QUV UV No Deterioration	D4799	1,000 hr. min. / Pass
Flexibility	D2939	No Cracking / Pass
Resistance to Heat	D2939	No Blistering / Pass
Resistance to Water	D2939	No Softening / Pass

SOLAR REFLECTANCE INDEX

TEST	METHOD	RESULTS
Solar Reflectance	ASTM E 1980	0.399
Solar Absorption	ASTM E 1980	0.601
Thermal Emissivity	ASTM D 1980	0.880

CONVECTIVE COEFFICIENT

Low Wind	5.000	Medium Wind	12.000	High Wind	30.000
X1	0.594	X2	0.587	X3	0.582
SRI Low Wind	43.000	SRI Medium Wind	44.300	SRI High Winds	45.000



RAP JUICE

RAP JUICE is a Unique Milled Asphalt Emulsion Combination of Clays, Biodegradable Solvents and Emulsifying Agents that softens and helps mend recycled Asphalt Pavements. Due to the increased viscosity, **RAP JUICE** binds the fine surface aggregate and prevents further Weathering and Oxidation.

ADVANTAGES

- Will not Track once Cured
- Replaces Asphaltenes lost to Oxidation
- Extends the Service Life of RAP
- Helps to Bind and Stabilize RAP mixture
- Penetrates, Rejuvenates and Seals
- One Coat Application over rolled RAP

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RAP JUICE

Coverage

RAP JUICE is supplied ready to Apply, additional Dilution may be required based on the porosity of the RAP and number of coats required to meet requirements, gals per sq / yd

Consult project manager

Prime Coat 0.10 - 0.13 (dilution + 25% water over unrolled surface)
Rolled RAP 1 Coat 0.12 - 0.15 gal per sq. yd

Method of Application

Make sure area is clean and free of dirt and loose aggregate. Spray Equipment recommended, An Asphalt Distributor with full circulation, adjustable bar and computerized rate control or volume measuring device. Product can be heated to 120° F if needed for cold weather applications but is not necessary.

Weather Limitations

For the best results, do not apply on rainy days or when the temperature is expected to drop below 45° F during the next 24 hrs. The RAP can be wet (no pounding water) while applying, this will allow the product to better penetrate.

Drying time

Allow 24 hrs between coats and curing, test the surface after cure before opening, Higher application rates and the type of RAP used can increase the cure time.

Clean up

Water cleanup when wet, biodegradable solvent when dry

Packaging

5 gal pails (48 lbs.)
55 gal drums (525 lbs.)
Bulk

Color

Charcoal Black



BREWER COTE OF ARIZONA INC®

RESURFACER +

Saves Pavement • Increases life expectancy
• Long lasting • Stops raveling • Better
resistance to fuel and chemicals than
competitive products • Meets all State and
Public Work specifications • Can be
squeegee applied to fill minor cracks and
depressions • Smooth flexible surface that is
easy to clean



RESURFACER + is a Milled blend of Asphalt, Selected Mineral Fillers and Acrylic. It is designed specially to increase the life expectancy of your asphalt. **RESURFACER +** beautifies and protects both old and new parking lots, recreational areas and driveways against moisture and water penetration, ultra violet rays from the sun and oxidation. The tough, durable formula fills pavement voids and low spots by replacing fines that are lost during the aging process.



SAMPLES AND DEMONSTRATIONS GLADLY PROVIDED



RESURFACER +

Method of Application

Make sure area is clean and free from all loose material and dirt. Squeegee or mechanical equipment product onto surface. Product may be diluted with a maximum of 20% water. Priming may be necessary on aged surfaces using one- part SS-1H and four parts water and applied at 1 gal per 100 sq./ft. Do not over dilute **RESURFACER +**. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Coverage

RESURFACER+ should be applied mixed (**RESURFACER +**, water, sand, and additives) at a rate of 50 -70 sq./ ft per gal, per coat. If necessary, an additional 10% water may be added for smooth.

Two coats are recommended on unsealed pavements, consult project manager

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs. Always allow new asphalt to cure through a summer season before sealing.

Drying Time

5 hrs. max at 70° F, 50% relative humidity, Allow sealer to dry thoroughly between coats. Final coat should cure for 24 hrs.

Color

Jet black finish

Clean up

Water before dry, use biodegradable solvent when dry.

Packaging

5 - gal pail - 54 lbs.
55 gal drums - 610 lbs.
bulk transport - 10 lbs./gal

SPECIFICATIONS

TEST	METHOD	MIN	MAX	RESULTS
Weight per gallon	ASTM D244	10.5 lbs.	10.8 lbs.	10.5 lbs.
Polymer Modified%		3%		Pass
(Based on Asphalt Content)				
% Non-Volatile	ASMA A-1	50	60	55
% Non-Volatile	ASTM D2042	20	35	30
(Soluble in Trichloroethylene by wt.)				
Penetration-Base Asphalt	D5	10	45	35
Softening Point (Ring & Ball)	D36	195°		210°
Asphalt Content, Weight %	D217	15%	25%	20%
Wet track abrasion	ASTM D3910	15.3		4.6
(Grams per sq./ft)				
Percentage Loss			5%	1.5%
Water Resistance	D4585			No Loss
Resistance to Impact	D2939			Pass
Resistance to Heat	D2939			Pass
QUV UV Aging, 1000 HAS.	D4799			Pass
PAH %				< .10%
Volatile Organic Compound (VOC)				< 8 G/L

*Modified for Sand Seal, 8 lbs. + 10 mins

Brewer Cote of Arizona Inc ®

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RESURFACER EFR

Resurfacer EFR (Enhanced Fuel Resistance with the addition of Coal Tar) are unique blends of Asphalt Emulsion, selected Mineral Fillers, Fibers and Acrylic, designed Specifically to Increase the Life Expectancy of your Asphalt. Resurfacer EFR Beautifies and protects both old and new parking lots, recreational areas, and driveways against moisture and water penetration, ultra violet rays from the sun and oxidation. The tough, durable formula fills pavement voids and low spots by replacing fines that are lost during the aging process.

ADVANTAGES

**Saves your Pavement • Better Resistance to Fuel & Chemicals than competitive products
Increase Life Expectancy • Meets all State & Public Works Specifications
Long Lasting • Can be Squeegee applied to fill minor Cracks & Depressions
Stops Raveling • Smooth Flexible Surface that is easy to clean**

**Brewer Cote of Arizona® “The Pavement Maintenance Specialists”
5226 West Missouri Avenue, Glendale Arizona 85301**

RESURFACER EFR

Coverage

Smooth, dense pavements	2.0 gal per 100 sq ft
Medium Surfaces	3.0 gal per 100 sq ft
Rough, aged surfaces	4.5 gal per 100 sq ft
Excessively rough surfaces	5.0 gal per 100 sq ft

****Two coats are recommended on unsealed pavements, consult project manager.**

Method of Application

Make sure area is clean and free from all loose material and dirt. Squeegee or mechanical equipment product onto surface. Product may be diluted with a maximum of 20% water. Priming may be necessary on aged surfaces using one part SS-1H and four parts water and applied at 1 gal per 100 sq ft. Do not over dilute Resurfacer EFR. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected To drop below 50° F during the next 24 hrs. On hot days, the pavement shall be Pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Do not apply if rain is in the forecast for the next 24 hrs.

Drying time

8 hrs max at 70° F,
50% relative humidity

Clean up

Water before dry,
use fuel oil when dry

Color

Jet black
Finish

Packaging

5 gal pail (54 lbs)
55 gal drums (610 lbs)
or bulk transport

Specifications

TEST	METHOD	MIN	MAX	RESULTS
Weight per gallon	ASTM D244	10.0 lbs		10.1 lbs
Cone Penetration	ASTM D217	340 mm	550 mm	370 mm
% Non-Volatile	ASMA A-1	55	62	57
% Non-Volatile	ASTM D2042	20	35	30

(Soluble in Trichloroethylene by wt)



RESURFACER II

Resurfacer II is a milled blend of fiber reinforced asphalt, selected mineral fillers and acrylic and is polymer-modified. It is designed specially to increase the life expectancy of your asphalt. Resurfacer II beautifies and protects both old and new parking lots, recreational areas, and driveways against moisture and water penetration, ultraviolet rays from the sun, and oxidation. The tough, durable formula fills pavement voids and low spots by replacing fines that are lost during the aging process.

ADVANTAGES

- Saves your pavement
- Increase life expectancy
- Long lasting
- Stops raveling
- Better resistance to fuel & chemicals than competitive products
- Meets all state & public works Specifications
- Can be squeegee applied to fill minor cracks & depressions
- Smooth flexible surface that is easy to clean



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RESURFACER II

Coverage

Smooth, dense pavements	2.0 gal. per 100 sq ft
Medium Surfaces	3.0 gal. per 100 sq ft
Rough, aged surfaces	4.5 gal. per 100 sq ft
Excessively rough surfaces	5.0 gal. per 100 sq ft

**Two coats are recommended on unsealed pavements, consult project manager.

Method of Application

Make sure area is clean and free from all loose material and dirt. Squeegee or mechanical equipment product onto surface. Product may be diluted with a maximum of 20% water. Priming may be necessary on aged surfaces using one-part SS-1H and four-parts water and applied at 1 gal. per 100 sq ft. Do not over dilute Resurfacer II. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hours. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Drying time

8 hrs. maximum at 70° F
50% relative humidity.

Clean up

Water before dry,
use fuel oil when dry.

Color

Jet black finish

Packaging


5 gal. pail (ship weight 54 lbs),
55 gal. drums (ship weight 610 lbs.)
or bulk transport.

Specifications:

TEST	METHOD	MIN	MAX	RESULTS
Weight per gallon	ASTM D244	10.0 lbs		10.1 lbs
Cone Penetration	ASTM D217	340 mm	700 mm	370 mm
% Non-Volatile	ASMA A-1	50	60	57
% Non-Volatile	ASTM D2042	20	35	30
(Soluble in Trichloroethylene by wt)				
*Wet track abrasion, (Grams per sq/ft)	ASTM D3910		15.3	4.6
Percentage Loss			5%	1.5%
*Modified for Sand Seal, 8 pounds + 10 minutes				

BREWER COTE OF ARIZONA'S®

Resurfacer RRM



INCREASES LIFE EXPECTANCY . BETTER RESISTANCE TO FUEL & OIL THAN COMPETITIVE PRODUCTS. STOPS RAVELING . COMPUTER CONTROLLED SPREADERS . SMOOTH FLEXIBLE SURFACE . MAINTAINS BLACK COLOR . USES RECYCLED TIRES . SQUEEGEE EQUIPMENT OR HAND SPRAY APPLIED TO FILL VOIDS (SAND FILLERS)

Resurfacer RRM is a Unique Milled, Emulsion Blend of Clay Stabilized Asphalt and Recycled Rubber Modifiers (RRM). Performance Grade (PG) Asphalt meeting AASHTO M 320 is the base for this High-Performance Seal Coat along with Acrylic and other select fillers. **Resurfacer RRM** gives long lasting protection to Parking Lots, Subdivisions, Airports and Secondary Roads by resisting Water, Oil and Ultra- Violet Light. This tough, durable formula fills voids; (with additional fine aggregate of up to 4 lbs. per gal.) low spots and replaces fines that have been lost during the aging process.

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Application Specifications

Method of Application

Non sand filled sealer is designed for computer-controlled spreader trucks. Squeegee or Mechanical Spray Equipment with agitation and water fogging capabilities for sand filled sealer. Product may be diluted a maximum of 25%. Fine graded aggregate may be added up to 4 lbs. per gal of concentrate.

Surface Preparation

Clean all oil and grease from the asphalt surface using a stiff broom or mechanical broom and degreasing solution, rinse with clean water following degreasing. Treat all spots with Oil Spot Primer. Remove all loose or raveled particles, dirt and dust and any other foreign materials prior to seal coat application.

Weather Limitations

Resurfacer RRM shall not be applied if rain is expected in the next 8 hrs, and/or the temperature is below 50° F for the next 24 hrs. New asphalt should not be sealed until after exposed to a full summer heat cycle.

Application

Mix Design for Concentrated Resurfacer RRM is a maximum of 25% clean water and up to 4 lbs per gal of fine aggregate (for non-filled sealer) agitate to make a homogenous blend. The application rate based on concentrated sealer is .10 to .15 gal per sq yd. One or Two coats can be applied. The first coat should be allowed to dry prior to application of the second coat. The second coat should always be applied in a cross direction to the first coat when possible. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Test	Specifications	Method	Results
Weight per Gallon: w/ Sand	10.0 lbs. gal min	ASTM D244	10.2
Weight per Gallon: RRM	8.4 lbs. gal min	ASTM D244	8.6
Nonvolatile Component, % by Weight - w/sand	55.0 % min	ASTM D2939	56%
Asphalt Content, % by weight Of nonvolatile component	30 to 35%	ASTM D2042	34%
Wet Track Abrasion	Less than 5%	ASTM D3910	1%
Accelerated Weathering	Pass 1,000 hrs.	ASTM – G 154	Pass
Asphalt Binder			
Penetration at 77°F, 100g, 5 sec., dmm	25 to 55	ASTM D 5	45
Softening Point, deg F	130 min	ASTM D 36	220
Solubility %	97.5 min	ASTM D2042	98.7
Recycled Tire Rubber, %	10% of Base Stock	Certified Weight	Pass

Fine Graded Aggregated (Optional)

Sieve Size	Percent Passing
No. 16	100 %
No. 20	80 to 100%
No. 30	50 to 90%
No. 50	20 to 60%
No. 100	0 to 5%

*Sand to meet this gradation when tested in accordance with ASTM C 136 and must be washed and cleaned containing no salt, clay or dirt.



FAA Approved • Restores Ductility (flexibility) while Reducing Viscosity
Increase Life Expectancy • Makes Asphalt Pavement Fuel Resistant
Long Lasting • Replenishing Oils Essential to the Longevity of Asphalt Pavement
Will not Peel, Chip, or Eliminate • Improves the Appearance & Image of the Asphalt

RS44E REJUVENATOR

RS-44E is a Revolutionary 3 in 1 Treatment for Asphalt Pavements. It Is Designed to Penetrate the Asphalt Surface and Revitalizes while Sealing the Surface against contaminants such as fuel, water, and de-icing chemicals.

RS-44E Rejuvenator should be used to Rejuvenate, Seal, and provide a Fuel Resistant Surface. It also recommended for use on a Surface where a Coal-Tar Emulsion would be too Slippery. The Penetration allows the Product to Seal and Rejuvenate without changing the Surface Structure of Asphalt. Grooved Runways and Roads do not have to be re-grooved.

RS44E REJUVENATOR

Method of Application

RS-44 E rejuvenating sealer should be uniformly applied with a pressure distributor at a specified rate. It is recommended that a pre-test application be conducted 24 hrs. prior to application as this will determine the appropriate rate the materials should be applied. When applied correctly, it is a one-step application process in which treated surfaces can usually be reopened within 24 hrs. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Drying time	Clean up	Color	Packaging
Cures within 24 hrs.	Water when wet Solvit® / Prism® or bio-degradable solvent when dry	Jet - Black Finish	Bulk Transport.

Specifications

TEST	METHOD	MIN	MAX	RESULTS
Weight per gallon	ASTM D244	10.0 lbs.		10.1 lbs.
Cone Penetration	ASTM D217	340 mm	700 mm	370 mm
% Non-Volatile	ASMA A-1	50	60	57
% Non-Volatile	ASTM D2042	20	35	30
(Soluble in Trichloroethylene by wt)				
*Wet track abrasion, (Grams per sq./ft)	ASTM D3910		15.3	4.6
Percentage Loss			5%	1.5%

*Modified for Sand Seal, 8 pounds + 10 minutes



Street Saver

Street Saver is a milled polymer modified, mineral stabilized asphalt and fiber reinforced emulsion. It is designed specially to increase the life expectancy of your asphalt pavements. Street Saver beautifies and protects both old and new streets, recreational areas, and airports against moisture and water penetration, ultraviolet rays from the sun, and oxidation. The tough, durable formula fills pavement voids and low spots by replacing fines that are lost during the aging process.

ADVANTAGES

- Saves your pavement
- Increase life expectancy
- Long lasting
- Stops raveling
- Better resistance to fuel & chemicals than competitive products
- Meets all state & public works Specifications
- Brush/ squeegee applied to fill minor cracks & depressions
- Skid resistant flexible surface that stays black longer

STREET SAVER

Coverage (w / Aggregate)

For road applications Street Saver is applied at a rate of 30 to 50 sq. ft per gal (3.4 to 5.5 sq yd per gal) Add 4 lbs of sand per gal of sealer; see aggregate specifications.

Method of Application

Make sure area is clean and free from all loose material and dirt. Squeegee or mechanical equipment product onto surface. Product may be diluted with a maximum of 20% water. Priming may be necessary on aged surfaces using one-part SS-1H and four-parts water and applied at 1 gal per 100 sq ft. Two coats are recommended, allow 1st coat to dry thoroughly before applying 2nd coat and then check for trafficability .

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Drying time

8 hrs maximum at 70° F,
50% relative humidity

Clean up

Water before dry
Biodegradable Solvent when dry

Color

Jet black
long lasting finish

Packaging

5 gal pail (ship wt 54 lbs)
55 gal drums (ship wt 610 lbs)
bulk transport/ jobsite-trailers

Specifications with Aggregate (RTU)

METHOD	ASTM	RESULTS
Weight per gallon	D2939-7	10 - 12lbs/gal
Residue by Evaporation	D2939-8	54 Min
Penetration of Bituminous	D5	15 – 50
Softening Point	D36	>200 degrees F
Viscosity, Stormer	D562	60 min.
Polymer % to Asphalt	N/A	5 – 15%
Surface Friction , British Pendulum	E303	>75
Wet Track Abrasion Test	D3910	<2 g per sq ft loss
QUV UV Weathering, 1000 hrs.	D4799	No Fading
Ductility of Asphalt	D113	5 – 15 cm
Adhesive Strength on Asphalt	D4541	>200 PSI
Resistance to Heat (No Blistering / Slipping)	D2939	Pass
Flexibility, No Cracking or Chipping	D2939	Pass
Resistance to Water, No Softening (Or Re-Emulsification)	D2939	Pass
Drying Time 50% Humidity Cure in 24 hrs	D2939	Pass

(Refer to Tech. Data Sheet SS-2 for additional testing)

Aggregate

Mesh- Sieve Size	Retained
# 12 Mesh	2 – 10%
# 16 Mesh	30 – 60%
# 20 Mesh	20 – 50%
# 30 Mesh	2 – 10%
# 40 Mesh	0 – 5 %
# 50 Mesh	0 – 5%
# 70 Mesh	0 – 5%
# 100 Mesh	0 – 5%

BREWER COTE® *Of Arizona*

AIR HYDRAULIC / AGITATION SYSTEMS



Brewer Cote offers choices! Available is our heavy-duty Hydraulic driven agitator or order our all air system with the largest compressor on the market (42 cfm) for the constant demand on the 2" air pump system. A Variety of tanks and trailers are available. Our heavy-duty 2 1/4" drive shaft agitation system is guaranteed not to break and with the largest hinged opening in the industry (18" x 32"), the easiest to clean. Compare our standard features and you will agree, there is no better system on the market.

Brewer Cote of Arizona "The Pavement Maintenance Specialists"
5226 W Missouri Avenue, Glendale, Arizona 85301

COMPARE THESE FEATURES

- Agitation Systems: All Air System: 60 to 1 ratio drive
Hydraulic Agitator: 6 to 1 ratio drive
- #80 chain drive sprocket
- 60 to 1 gear drive to air motor (Hydraulic System, 6 to 1)
- Forward / Reverse with Speed Control on Agitator
- Sealed Bearings, 2 1/4" with Double Rubber Seals
- Large Capacity Two Gallon Strainer and Basket
- 3-3" Drains, one on bottom, one on each end
- 3" Valve to Filter, 2" Ball valves for Loading and Unloading
- 10 Gauge Steel Tank and Bearing Support Plates (15" x 15")
- One Year Manufacturer's Parts Warranty

OPTION'S

- 50-gal. Water Tank Complete w/Pump,
- Surge Brake Option
- 2 5/16" Ball Hitch Option (Pintle Included)
- 16 gallon Brush Tank
- Honda Engine
- Hose Reels
- Special Paint Colors
- Manual Air Operated Spray Bar Complete w/ 6, 8, & 10 Tips,
- Flanged Tank End for easy removal

TRAILER SPECIFICATION'S

If you don't see what you are looking for please ask your Brewer Rep~Skid units also available

Size	300	600	750	1000	1500	600 skid
Weight	2500	3000	3500	4000	4500	2,000
Length	16'	17' 6"	19'	20'	22'	10'
Width	6'6"	6'6"	7'	8'	8'	4'6"
Height	6'6"	6'6"	6'6"	6'6"	7'	5'
GVW	5,200 (1)	10,500 (2)	12,000 (2)	16,000 (2)	20,000 (2)	

* All specifications are subject to change without notice

Pump Specification's

- * Nomad 2" Diaphragm
- * 170 GPM at 100-PSI
- * Non-Lubricating System

Engine Specification's

- * 16 HP Vanguard
- * 12.5 HP Kohler
- * OHV & Cast Iron Sleeves
- * 12V. Electric Start

BREWER COTE® *Of Arizona*



HAND DRIVEN AGITATOR TRAILERS BC-MAT 300 Pictured

The Most inexpensive way to move from Pails to Drums is our Hand Driven Agitated Systems, both Trailer and Skid Mounts are available. Tanks include 5 to 1 ratio drives that can easily be converted to 5.5 hp Engine/Hydraulic power. Designed as a Start Up Tank, this system will last a Lifetime. We build the same features in the smaller tanks as we do in the Air Force Trailers, when its time to add a pump, just give us a call!

THE PAVEMENT MAINTENANCE SPECIALISTS
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FEATURES

1½" Drive Shaft, 2" Schedule 80 Pipe Shaft
Adjustable Rubber Wiper Blades on Split Agitator
Large Lock Down Hatch, Vented
4" Butterfly Valve and 10' of Hose, 4" Bottom Drain
5 to 1 Reduction, #60 Chain Sprockets
3" Channel Frame Trailer with Storage on Tongue
Adjustable Pintel Hitch and Heavy Duty Jack Stand
All Tanks are made of 10 gauge Steel
1 yr. Manufacturers Parts Warranty

OPTIONS

Flanged, Removable Tank End
Hydraulic Agitation Kit with 5.5 hp Engine
Air Force Pump Kit, 1½" and 2" Pumps with Compressor
45 gal. Water Tank, mounted under Frame

Specifications are subject to change without notice

SPECIFICATIONS

Skid Units

Size	300 gal	600 gal
Weight	500 lbs	650 lbs
Length	4'	74"
Width	45"	50"
Height	4'	5'5"
GVW		

Trailers

Size	200 gal	300 gal	600 gal
Weight	600 lbs	900 lbs	1200 lbs
Length	10' 6"	13'	15'
Width	5' 6"	6'6"	6'6"
Height	5'	6'	6'
GVW	3500 lbs	4500 lbs	8000 lbs

BREWER COTE® *Of Arizona*



HYDRAULIC STORAGE TANK, PUMP AND AGITATOR SYSTEM

AHS-6000, AIR COMPRESSOR DRIVE WITH 2" DIAPHRAGM PUMP

(PICTURED)

The Best Sealer Storage Tank on the Market Today!! Includes an 18 hp Honda Engine with Electric Start, Driving a High-Volume Hydraulic Pump delivering enough torque to constantly stir Brewer Cote's thickest concentrated Emulsion Sealers. The 2" Bowie Pump System has forward and reverse to transfer material quickly with a high volume 2 gal strainer. Our Agitators don't break, all shafts are 3" with double sealed 2 15/16" Bearings. The Mixing paddles are split into four sections to keep the walls clean.

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FEATURES

- 18 hp Honda Engine
- 2" Bowie Pump, Rated at 140 gpm
- Large Capacity 2 gal Strainer with Basket
- 18" x 18" Hinged Screened Lid - removable
- 2 15/16" Double Sealed Bearings
- Reconditioned 1/4" Walled Tank with 30" x 30" Clean out
- 3" Double Strength Pipe
- Split Agitator with adjustable Wiper Blades
- 3-Position Hydraulic Valve with Trim Control
- 2 - 4" Flanged Drains with 4" Butterfly Valve
- 3" Plumbing for filling off Transports
- 1 yr. Manufacturer's Warranty

OPTION'S

- Custom Decking and Rails for easy access
- Custom Configuration of Pump Discharge & Loading
- 45 gal Water Tank with 12 v Diaphragm Pump
- Air Compressor & 2" Air Diaphragm Pump System (Model AHS-6000 Pictured)
- Custom Colors of Paint
- Kohler and Honda Engine's
- Shaft Packing Glands
- New Steel Tank, 1/4"
- Outboard Ball Bearing Pump in 2" or 3"

SPECIFICATION'S

MODEL AHS	5000 GALLON	6000 GALLON
WEIGHT	6100 lbs.	7000 lbs.
LENGTH	18'	20'
WIDTH	96"	96"
HEIGHT	8'4"	8'4"
HYDRAULIC TANK	15 gal	15 gal

PUMP SPECIFICATION'S

2" Bowie Pump
Rated at 147 gpm at 20 psi
Rubber Buna-N Gears with High Leads
Brass Bearings
1 yr. Workmanship Warranty

ENGINE SPECIFICATION'S

18 hp Honda Engine
Electric Start
Oil Sentry System
2 gal Fuel Tank
2 yr. Limited Warranty

BREWER COTE OF ARIZONA

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BREWER COTE® *Of Arizona*

Air Pump Spray Kit System 5

Model Number: BC-APK-5

Part Number: 480145

This air operated pavement sealer sprayer system will handle all products on the market today, even high sand loading. Built on steel tubing that can be mounted next to most tanks with ease. The 1 1/2" Nomad "No Freeze" Dual Diaphragm Pump takes the handwork out of your job to be more efficient and competitive!

Compare our Standard Features

Skid Mount Kit, 6" Tubing
Pressure Accumulator to Reduce Pulsation
2" Flanged Filter Strainer and Large Basket
Water Separator Filter and Air Regulator (0 to 150) PSI
1 1/2" Ball Valve Complete with Camlock for Transfer
Kohler 12.5 hp Engine
6' Aluminum Spray Wand with 50' Hose

Options

13 hp Honda Engine
Additional 75' Spray Hose & Wand
Spray Bars (Manual and Pneumatic)
Hose Reels

Specifications

Weight	600 lb.
Length	35"
Width	40"
Height	36"

Pump

Nomad 1 1/2" Double Diaphragm 100 GPM at 100 PSI
1-yr Manufacturer's Warranty

Air Compressor

Engine	12.5 HP Kohler Engine
Receiver Size	30 gallons
SCFM	23 CMF @ 175 psi
2-yr Manufacturer's Warranty	

"The Pavement Maintenance Specialists"

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BREWER COTE® *Of Arizona*

Air Pump Spray Kit System 6

Model Number: BC-APK-6

Part Number: 480146

This air operated pavement sealer sprayer system will handle all your requirements from 2 wands to spray tips. Built on steel tubing that can be mounted next to most tanks with ease. The 2" Nomad "No Freeze" Dual Diaphragm Pump takes the handwork out of your job to be more efficient and competitive!

Compare our Standard Features

Skid Mount Kit, 6" Tubing
Pressure Accumulator to Reduce Pulsation
2" Flanged Filter Strainer and Large Basket
Water Separator Filter and Air Pressure Regulator 0 - 150 psi
2" Ball Valve Complete with Camlock for Transfer
6' Aluminum Spray Wand with 50' Hose
13 hp Honda Engine with Electric start.

Options

Additional 75' Spray Hose and Wand
Spray Bars (Manual and Pneumatic)
Hose Reel

Specifications

Weight	600 lb.
Length	35"
Width	40"
Height	36"

Pump

Nomad 2" Double Diaphragm 100 gpm at 100 psi
1 Year Manufacturer's Warranty

Air Compressor

Engine	13 hp Honda Engine
Receiver Size	30 gallons
SCFM	25 @ 175 psi
2 yr. Manufacturer's Warranty	

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NOMAD

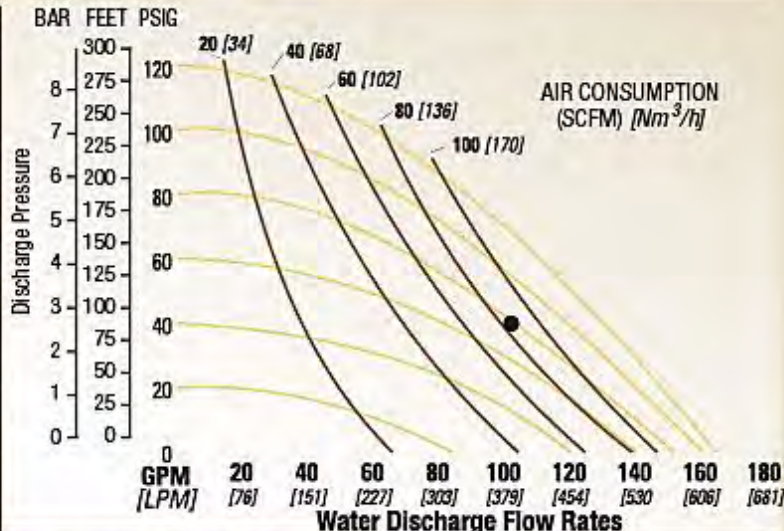
PERFORMANCE DATA

NPF50

2"



Air Inlet.....	13 mm (1/2")
Inlet.....	51 mm (2")
Outlet.....	51 mm (2")
Suction Lift.....	6.9 m Dry (22.7')
	8.6 m Wet (28.4')
Displacement/Stroke.....	2.61 l (0.70 gal) ¹
Max. Flow Rate.....	623 lpm (164.7 gpm)
Max. Size Solids.....	6.4 mm (1/4")
Height.....	668 mm (26.3")
Width.....	404 mm (15.9")
Depth.....	343 mm (13.6")
Est. Ship Weight.....	Aluminum 32 kg (70 lbs)
	316 Stainless Steel 51 kg (112 lbs)
	Ductile 47 kg (104 lbs)



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

¹Displacement per stroke was calculated at 70 psig (4.8 bar) air inlet pressure against a 30 psig (2 bar) head pressure

Example: To pump 102 GPM against a discharge pressure head 40 psig requires 80 psig and 85 scfm air consumption

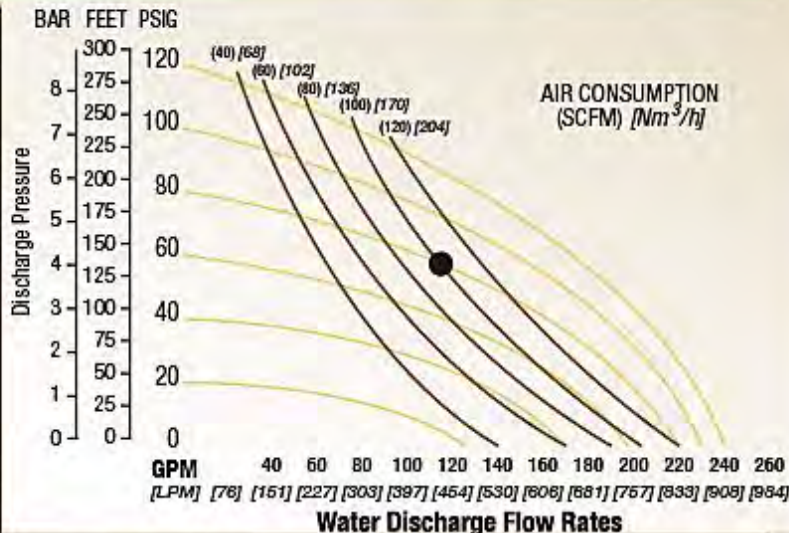
Caution: Do not exceed 8.6 bar (125 psig) air supply pressure.

NPF80

3"



Air Inlet.....	19 mm (3/4")
Inlet.....	76 mm (3")
Outlet.....	76 mm (3")
Suction Lift.....	6.6 m Dry (21.6')
	9.3 m Wet (30.6')
Displacement/Stroke.....	5.53 l (1.46 gal) ¹
Max. Flow Rate.....	909 lpm (240 gpm)
Max. Size Solids.....	9.5 mm (3/8")
Height.....	823 mm (32.4")
Width.....	505 mm (19.9")
Depth.....	406 mm (16.0")
Est. Ship Weight.....	Aluminum 55 kg (121 lbs)
	316 Stainless Steel 85 kg (187 lbs)
	Ductile 93 kg (205 lbs)



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

¹Displacement per stroke was calculated at 70 psig (4.8 bar) air inlet pressure against a 30 psig (2 bar) head pressure

Example: To pump 386 lpm (102 gpm) against a discharge pressure head of 2.8 bar (40 psig) requires 5.5 bar (80 psig) and 137 Nm³/h (85 scfm) air consumption. (See dot on chart).

Caution: Do not exceed 8.6 bar (125 psig) air supply pressure.



RAPID SET

RAPID SET is a specially blended copolymer emulsion containing fast drying modifiers which enhances asphalt sealers to achieve a faster drying time. **RAPID SET** has a resistance to oils, fuels and grease. Use **RAPID SET** where increased durability is needed, excellent for airport runways and taxi areas, along with all commercial and industrial properties

Coverage

Mix well before using, add after sealer has been diluted. Use 3 to 5 gal to every 100 gal of concentrated asphalt emulsion, depending on porosity.

Smooth to medium surfaces: 2 gal to every 100 gal of concentrated asphalt emulsion.

Rough to excessively rough surfaces: 3 to 5 gal to every 100 gal of concentrated. Asphalt emulsion with 2 lbs. additional Sand 60 mesh.

Method of Application

Add sealer into agitated machine, add water, then slowly mix in **RAPID SET** while agitating. Add any additional sand (4 lbs per gal max.) Mix well before application.

Weather Limitations

For best results, do not apply on rainy days or when temperature is expected to drop below 45° F during the next 24 hrs. On hot days, pavement shall be pre-dampened with a fog system.

Drying time

4 hrs or less at 70°F, 50% humidity, depending on percentage add and application thickness.

Color
Light Brown

Clean Up
Water when wet,
Bio D ® when dry.

Packaging
5 gal pails
55 gal drums



Scuff Tuff

Scuff Tuff is the only 100% acrylic modifier on the market today for use with Brewer Cote Resurfacer and other asphalt-based sealers. Scuff Tuff is specially formulated to increase chemical resistance and film strength, along with improving color and aggregate retention. Use Scuff Tuff where increased durability is needed in high wear area's, excellent for runways and taxi area's, along with all commercial and industrial properties. Also improves resistance to oils, fuels, grease, and water.

Coverage

Mix well before using, add after sealer has been diluted. Use 2 to 5 gal to every 100 gal of concentrated asphalt emulsion, depending on porosity.

Smooth to medium surfaces: 2 gal to every 100 gal of concentrated asphalt emulsion.

Rough to excessively rough surfaces: 3 to 5 gal to every 100 gal of concentrated asphalt emulsion with 2 lbs. additional sand 60 mesh.

Method of Application

Diluted Brewer Cote Resurfacer II with a maximum of 20% water then add Scuff Tuff slowly while agitating. Add any additional sand (2 lbs per gal max) and mix for 10 mins.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Do not apply if rain is in the forecast for the next 24 hrs.

Drying Time

6 hrs. max at 70° F
50% RH

Clean Up

Wash tools in water when drying
use Tar-X asphalt or tar
remover when dried

Color

Jet Black
Finish

Packaging

5 gal pails
55 gal drums

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TARMAX R-100

Tarmax R-100 is a blended product based on nitrile latex containing 51-70 parts butadiene and 30-49 parts acrylonitrile as well as other cross-linking polymers. It has been formulated specifically for use with coal tar emulsion conforming to Federal Specification RP-355E and with FAA Specification P-625 dated July 14, 1983.

Typical Physical Properties:

Grade	R-100
Solids	40%
Particle Size	1300
Specific Gravity	0.99
Viscosity (25°C)	35cps

Storage/Handling

Tarmax R-100 should be stored in a cool, dry area. Freezing must be avoided as product is no longer useful once it has been frozen. Spillage may be removed with water if still wet.

Tarmax R-100 is non-toxic, but may cause local skin irritation.

If accidentally swallowed, induce vomiting and contact a physician immediately.

- ◇ Tarmax R-100 modified sealer cures faster, allowing additional coats and the striping to be done sooner.
- ◇ The coating resists scuffing and power steering marks. Tarmax R-100 also gives the Sealer more resistance to the degradation and brittleness caused by ultra-violet light.
- ◇ Tarmax R-100 builds mix viscosity, but not too much, as this can lead to adhesion problems.
- ◇ Through the proper use of Tarmax R-100 you can tailor your sealer to meet your exact Requirements. The total amount of Tarmax R-100 depends primarily on the pounds of aggregate required, which, in turn depends on the coarseness of the pavement.
- ◇ Tarmax R-100 should be diluted 1:1 before addition so it can be quickly and evenly distributed throughout the mix.
- ◇ Tarmax R-100 Modified sealer can be applied using various methods: hand squeegee, Machine squeegee, hand spray, and machine spray.

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Diamond Shield Fortifier



DSF is

a liquid composition, active curing additive. **DSF reduces VOC's and leaves behind fresh air for all who are near your Job.** This makes jobs more desirable and valuable to customers. It makes sealer easy to broom through its enhancement of rheology modification and causes broom, squeegee marks and cut lines to seem to vanish when the film has dried. DSF works with asphalt, coal tar, blended and acrylic emulsions.

DSF functions safely and significantly to reduce the amount of time required for a surface coating to be reintroduced to vehicle traffic without damage to the film. This is because DSF works within the film to actively express water with or without the sun's help.

Viscosity Modification and Sand Suspension (USS)

DSF is NOT a latex based additive and does not require water added to it before introducing to your mix design. DSF improves the flexibility of the cured film and improves bonding and film strength.

DSF's Ultimate Sand Suspension (USS) provides better sand load suspension for a longer period of time than other additives because it causes an energy that causes the sand to cling to the seal coat. As a result, contractors report no sand left in the bottom of the tank after they have sprayed out. All the sand, not just most of it, goes into the job.

DSF reduces filter and tip clogging and provides a deeper, black finish. DSF's rheology modification makes sealer smoother and silkier while lubricating pumps and equipment and allowing for easier clean up. DSF will not harm equipment or set up in the tank. Broom marks and cut lines simply seem to disappear.

Benefits of Active Curing

DSF will extraordinarily increase your productivity and bottom line in the normal season while extending your season at both ends for even more profits. You can complete more jobs each month with the same number of man-hours because jobs can be completed and opened the same day without the return trip the next day. Fewer return trips, equals less fuel, labor and equipment maintenance costs per job. More time for more jobs with lower job costs equals a much higher profit margin.

Under all conditions including cooler temperatures, in shaded areas and when the sun is not present Except for excessive humidity or ground saturation, DSF will accelerate the cure time of your sealer. Because of this, DSF reduces the risk of wash out if you have your job rained on after it dries to touch. DSF also allows you to do night work because it can cure film without sun. Many Contractors are doing Night work in such places as fast food restaurants in one or two nights instead of multiple moves.

Active Cure vs. Passive Cure

DSF works through a patented Active Cure Technology. Until DSF, seal coat could only cure through the passive curing process. This requires the sun to naturally cure a film when its heat and ultra violet rays are applied. DSF is the only patented active curing process on the market. Latex based products have no active curing property and also require the sun and the heat of the passive curing process for a seal coat film to cure when used. The process of sun and heat curing seal coat is slower because the top of the film is closest to the source and thereby cures first and creates a barrier that slows down the dry and cure time for the rest of the film below the top. That's why it is recommended to wait a minimum 24 to 48 hours before the film is reintroduced to vehicle traffic when using only the passive curing power of the sun and heat.

In contrast, DSF's Active Cure Technology creates heat and energy within the film. This heat and energy from within expel the moisture from the very bottom up and through the top. This active cure technology thereby works together with the passive curing process to give you the fastest and most consistent cured film known to man. With DSF when the film is dry to touch and no longer tacky under foot, all moisture has been expelled allowing you to reintroduce vehicle traffic in only just a few hours after the job has been completed in most cases instead of 24 to 48 hours. No other product on the market does this.

Most "set-fast" or "dry-fast" products are latex based or contain hardeners. Because latex does not have the same ability to make the sealer cure quicker, there is no comparison to DSF. Latex causes the skim over drying effect on the surface of the seal coat to happen faster which traps moisture within the seal coat. This can actually further extend the time needed for enough curing to occur to reintroduce traffic because moisture gets trapped in the film longer. Set fast products that are not primarily made of latex are hardeners. These

products can make the film brittle and cause premature flaking. DSF, on the other hand, safely does the same curing work the sun does through Active Cure Technology within the film. If you put down a quality seal coat application, DSF will accelerate the cure time safely on every time making every job the quickest and best job possible.

DSF turns your sealer ultra-black every time, because the faster seal coat cures the blacker it turns. DSF virtually eliminates tracking and sand roll out. DSF reduces costs and increases profits by helping contractors get the job done the first trip. Because of this, with DSF you can increase the number of jobs completed each month with the same man-hours you have been using. This benefit of time savings to the customer along with less down time for jobs such as restaurants or hotels add up to higher value and therefore a higher bid can be justified as well. In this way, DSF pays for itself and builds the contractor a better reputation for providing fast turnaround on jobs and a greater flexibility of services to the customer. Therefore, contractors not using DSF are actually losing time and money.

Directions:

No stirring or diluting of DSF is necessary prior to adding DSF to the sealer. Use 1/2 gallon of DSF for lower traffic to 3/4 gallon of DSF per 100 gallons of raw sealer for higher traffic. For night work, use no more than 1 1/4 gallon of DSF per 100 gallons raw seal. Open container and pour contents into your normal mixture of raw sealer cut with your normal amount of water prior to adding your sand load. Observe all seal coat manufacturer guidelines when using DSF. If sealer seams thicker than desired add a little more water until correct consistency is reached and use a little less DSF on your next mix.

CAUTION: Dispose of container and unused contents in accordance with Local, State, and Federal regulations. EMPLOYERS should obtain a copy of the Safety Data Sheet (SDS) from your supplier or directly from our website www.diamondshieldfortifier.com. Do not heat container or store at temperatures greater than 140° F. Do not store in direct sunlight. **DO NOT ALLOW THIS PRODUCT TO FREEZE!**

Warning! DO NOT TAKE INTERNALLY! Use eye protection to avoid contact with eyes. In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. Use protective measures to keep off of skin. Wash off well if product comes in contact with skin. If swallowed, **CALL PHYSICIAN IMMEDIATELY! GET MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN!**

WARRANTIES:

We, the manufacturer, warrant only that this product is free of defects since many factors which affect the results obtained from this product such as weather; workmanship, equipment utilized, and prior condition of the substrate are beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase if proof of purchase from an authorized distributor is provided. **DISCLAIMER OF The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose; and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.**

Freezability: Do not freeze

Shelf Life: 1 to 2 years

Color Blue liquid

Flammability: Non-Flammable

Container size: 2 & 5 gal pails, 55 gal drums, 275 gal IBC totes

Distributed By

BREWER COTE OF ARIZONA INC® THE PAVEMENT MAINTENANCE SPECIALISTS

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SHARP SHOT®

30x60



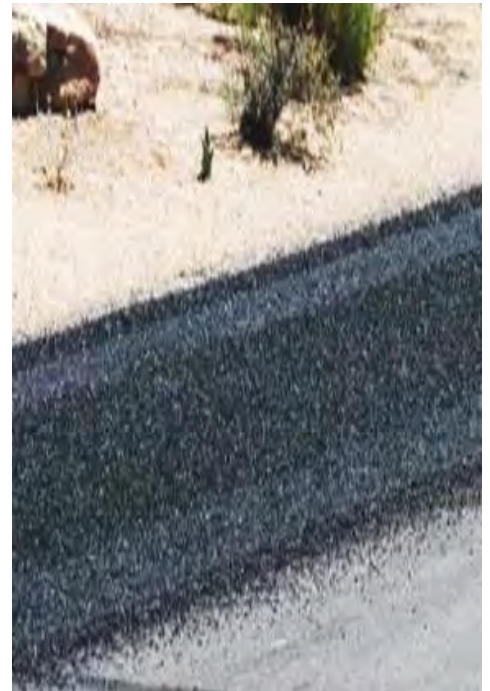
Blasting Abrasive

Sharpshot® 30x60
is Ideal for lightly
Corroded Coatings
and New Steel



Artificial Turf Infill

Sharpshot® 30x60
Provides Ballast
and keeps Grass
Blades Erect



Road Projects

Sharpshot® 30x60
a more Durable
Non-Skid Product
due to its Hardness

SHARPSHOT® TECHNICAL DATA

Physical Properties

Mohs Hardness: >7
Specific Gravity: 3.4 to 3.6
Color: Dull Black
Shape: Uniform and Angular
Bulk Density: 100 to 120 lbs/cu.ft



Typical Chemical Analysis

Fe₂O₃ 45.4%
SiO₂ 39.4%
Al₂O₃ 7.3%
CaO 6.6%
MnO 0.1%
MgO 1.7%
Na₂O 0.2%
K₂O 0.3%
TiO₂ 0.2%
P₂O₅ 0.1%
S 1.0%
Crystalline Silica <0.5%

Aggregate Properties

Fractured Faces 100%
LA Wear % 4% Loss
Sand Equivalent 91%
Uncompacted Voids 45.6%

12x30		20x50		30x60		40x120	
U.S. STD. Sieve	Range % Retained	U.S. STD. Sieve	Range % Retained	U.S. STD. Sieve	Range % Retained	U.S. STD. Sieve	Range % Retained
8	0			20	0-10	40	0-15
12	4-20	20	40-80	30	10-50	50	20-50
16	30-60	30	10-40	40	20-60	60	5-30
20	10-40	40	5-20	50	5-25	70	5-30
30	5-20	50	0-15	60	0-20	80	0-20
40	0-9	60	0-10	70	0-10	120	0-20
		70	0-5	80	0-5		

Performance Data - Typical profile in Mils

12x30	4.0 – 5.0 mils	90-100 psi	18" to 24" to Surface	45° to 90° Angle
20x50	3.0 - 4.0 mils	90-100 psi	18" to 24" to Surface	45° to 90° Angle
30x60	2.0 - 3.0 mils	90-100 psi	18" to 24" to Surface	45° to 90° Angle
40x120	1.5 - 2.5 mils	90-100 psi	18" to 24" to Surface	45° to 90° Angle

QUIKJOINT



Same Day as Application



2 years later

“Seal it the same day you patch it.”

Time is money! What is the cost to send a crew out again, set up barricades? Start up an expensive crack sealing machine, and seal a few hundred joints? Quik Joint is the answer!

Quik Joint is a pavement joint banding sealant system specifically designed to Quickly overlay a joint the same day the patches are installed after clean up. This Improved elastic rubberized non tracking asphaltic membrane tape sets up quickly, Minimal heat required, simple to install and you're done. Take the barricades down and move to the next project, no return visits necessary!

ADVANTAGES

**Permanent Bond • Water Proof Joint • Set up on cooling (10 min)
No Mess • Non-Tracking • Apply Quik Joint after clean up • Long Lasting
Easy to Install • Economical • Can be used on Concrete or Asphalt**

Distributor

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Quik Joint

CHARACTERISTICS

Composition

Quik Joint shall consist of a bottom release paper liner, a middle layer comprised of .93 mil thickness of non-tracking, non-shrinking rubberized asphaltic membrane and a top layer of a 3-mil clear plastic liner. Applicable to section of ASTM D3405.

Method of Application

Pavement must be clean, dry, free of dust and other foreign materials. Pavement temperature should be 40° F. Position product over pavement joint and remove bottom paper layer, cold tack material to surface, trim to proper length and apply heat. The heating source shall be continually moved across the materials until top plastic membrane is fired off and liquefaction occurs. Proper clothing and safety procedures shall be followed at all times.

Color Black	Length 50 ft / roll	Thickness 3.66"	Drying-time 10 Min	Weight .82 lbs. psf
Roll Dimension 9" nominal on 3" diameter core	Widths- Standard Uniform 1", 2", 4", 8" Wide, designed to maintain its uniformity following placement and heating		Packaging Per Roll or Per Pail 2"/ 8 rolls or 4"/ 4 rolls 8"/ 2 rolls	

Clean up

Properly dispose of bottom layer of release paper. Package & store unused portion of roll in original container in areas not exceeding 120° F.



Rokiln Systems FloMix Asphalt Rapid Repair

FloMix combines polymers with a specially treated aggregate to create a rapid setting, easy to apply, long lasting and durable asphalt repair. Repairs can be done in minutes, using 4 simple steps. Originally developed for the military as a rapid runway repair material, FloMix is an inexpensive alternative to traditional asphalt restoration procedures. FloMix rupture strength is 3 times stronger than concrete. This innovative, patented process provides a modern solution for an age old problem. FloMix repairs are sure to perform.

FloMix asphalt repair kit includes coated sand, bottles of “A” & “B” liquids, and a high traction topping. FloMix is mixed in its own bucket using an electric hand drill and/or a mixer. It reacts quickly after mixing, yet remains workable with a lute, squeegee or trowel for several minutes prior to thickening and setting. Repairs are completed in minutes and cure quickly with no shrinkage.

FloMix is virtually unaffected by the environment, with durability surpassing other repairs. It is Waterproof, Non-Flammable, and Unaffected by Gasoline, Diesel, Motor Oils, Jet Fuel, Anti-Freeze or De-Icing Fluids.

FloMix is also safe. The liquid polymers are odorless and non-flammable, with no fumes, caustics, acids, solvents, oxidizers, flammables, dust or heating. However, protective eye wear and gloves are required to prevent skin contact and to avoid sensitization to the liquid polymer.

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Roklin Systems

FloMix can be applied in 4 simple steps

- Clean Surface** - apply to stable, clean, uncoated, dry surface
- Prepare FloMix** – Mix polymers and sand using pail mixer and/or heavy Drill
- Apply FloMix** – Pour or Trowel FloMix over deteriorated area
- Add Topping Sand** – and after FloMix sets up, open to traffic

Packaging – FloMix is available in a 5 gal Kit which is made up of equal volume of “A” & “B” Polymer, 30 lbs. of a 2-12 and 60 mesh blend of treated aggregate and a 12 lb. bag of treated Topping sand. The entire contents come in the 5 gal pail and the material is mixed with a ½ Hp drill. Shelf life is 12 mo. In unopened container stored indoors. Bulk distribution is also Available with the Roklin strong Arm polymer and aggregate dispensing system.

Additional Aggregate – Up to 25 lbs. of additional 3/8” aggregate may be added to enhance The mechanical properties of the finished product, increase the load bearing ability and Deliver more product per kit. Roklin supplies the 25 lb. bag 3/8” polymer coated basalt that Will increase output from .4 of a cubic foot to over .6 of a cubic foot per 5 gal kit. The Aggregate can be added directly into pail, once FloMix is fully mixed. Minimum spall depth of ½” is required to utilize additional aggregate. Roklin recommends a motorized pail mixer to Ensure a good dispersion of polymers and aggregates.

Physical / Chemical Characteristics

Boiling Point	428° F, 536° F
Vapor Pressure (mm Hg)	NE
Vapor Density (AIR=1)	9.9
Specific Gravity (H2O=1)	1.084, 0.942 - .0948
Melting Point	N/A
Evaporation Rate (Butyl Acetate = 1)	NE
Solubility in Water	Insoluble, reacts with water to form carbon dioxide gas
Appearance / Odor	Pale Amber Color / Odorless Liquid
Reactivity	Stable, under normal, recommended conditions
Conditions to Avoid	Open Flame and Storage Temperatures above 120° F

Table 1 TX DMS – 6170 Type I Physical Requirements

Test	Age at Test	Method	Requirement	Result
Gel time Min.		Tex-614-J	5 to 60 min	9 min
Wet Bond Strength psi	7 days	Tex-618-J	≥ 100 psi	176 psi
Compressive Strength psi	24 hrs.	ASTM C579 B	≥ 200 psi	1710 psi
Compressive Strength psi	7 days	ASTM C579 B	≥ 200 psi	1820 psi
Compressive Strength psi	28 days	ASTM C579 B	≥ 200 psi	2140 psi
Compressive Stress at .1 in	7 days	Tex-618-J	≥ 200 psi	733 psi
Resilience, %	7 days	Tex-618-J	≥ 90%	97.2% *
Resilience, %	7 days	Tex-618-J	≥ 90%	82.0%
Thermal compatibility	7 days	ASTM C884	no delamination or cracking after 9 cycles	Pass

*Test from earlier batch of Material

Table 1 CT 551 Results

Material Property Test	Age at Test	Results
Compressive Strength (MPa)	1 hr*	4.25
Compressive Strength (MPa)	3 hr.*	7.00
Compressive Strength (MPa)	6 hr.*	7.45
Compressive Strength (MPa)	24 hr.	11.80
Compressive Strength (MPa)	7 days	12.55
Compressive Strength (MPa)	28 days	14.75
Flexural Strength (MPa)	24 hr.	5.10
Flexural Strength (MPa)	28 days	6.95
Bond Strength (MPa)	24 hr.	1.40
Bond Strength (MPa)	28 days	2.45
Modulus (MPa)	28 days	163.0
Specific Gravity		1.84
Absorption %		.33%

*Stress at 10 mm Displacement



Some Important Facts about FloMix Asphalt Repair

- FloMix is a cold-applied, liquid and aggregate slurry that hardens in minutes to provide a long-lasting repair, without the need for removal of damaged asphalt or dig-outs of any kind.
- FloMix utilizes our patented, coated aggregate, which contributes to flowability and ease of installation.
- FloMix can be finished precisely to grade, resulting in a smoother ride over the repaired areas.
- FloMix is easily feathered into the surrounding asphalt to form a repair that blends in visually with the existing pavement.
- FloMix restores aggregate interlock and pavement strength by promoting adhesion between the repaired area and the existing asphalt.
- FloMix can be used anytime the need arises. No need to wait for hot asphalt or heavy equipment.

Listed below are some of the advantages that FloMix offers vs. conventional materials

Simple-to-apply
Unaffected by extreme hot or cold
Fast set-up, less than 10 minutes
Supports heavy roadway traffic

Seals & Waterproofs
Shortens road closure time; saves labor costs
Self-compacting
High-traction surface

Asphalt Repair Applications

Asphalt Pavement Repair
Asphalt Highway Shoulder Repair
Broken Asphalt Repair
Asphalt Crack Repair
Asphalt Ramp Repair
Asphalt Parking Lot Repair
Asphalt Manhole Repair

Level Uneven Asphalt Repair
Asphalt Pothole Repair
Asphalt Walkway Repair
Asphalt Playground Repair
Asphalt Highway Repair
Asphalt Loading Dock Repair

Asphalt Patch Repair
Alligator Repair in Asphalt
Asphalt Sidewalk Repair
Asphalt Parking Deck Repair
Asphalt Equipment Bases Foundation
Asphalt Driveway Repair

Distributor

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These pictures are of Projects that were done on I-17, Loop 202 and Loop 101 and now the Broadway Curve up-grades. Brewer Cote is Pleased to be involved with these ADOT Projects

- Two-Component Urethane Rapid Setting Patch Material
- Hand Mix or Bulk Applicator supplied by Brewer Cote at “No additional charge”
- Available in Black / Gray
- Open to Traffic in 20 Minutes



Samples and Demonstrations Gladly Provided

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POLYFLEX

City of Phoenix' Sky Harbor Airport ...

Williams Gateway, Deer Valley and Goodyear Airports Have been using **FlexSet** and **PolyFlex** for more than 10 Years! Pima County, Oro Valley and various others use **PolyFlex** Black for their Asphalt repairs.

PolyFlex re-bonds cracked Concrete, it is used to strengthen Roads, Bridges, Slabs and Parking Structures. It seals Concrete to stop freeze, thaw, spawling and chemical attack



Packaging - **PolyFlex** equal volume 'A' & 'B' components are packaged in 5 gal pail kits or bulk 30 gal or 100 gal kits. Shelf life is 12 mo. in unopened containers stored indoors. Brewer Cote keeps both the 5 gal and the bulk kits in stock.
(Including the application equipment)

Instructions - **PolyFlex** performs well in extreme temperatures. In excessive heat (100° F or higher). Do not leave product outside overnight. Do not apply during rain or on wet surfaces. Co-reactive A & B components are transferred from 5 to 50 gal containers, through proportioning pumps (1:1 ratio) to dispensing gun. Mixed material is dispensed into repairs. Read safety data sheet & installation instructions before using product.

Typical Properties

Component	'A'	'B'
Ratio A : B	1	1
Viscosity 73° F cps	24	57.5
Appearance	Amber	Black/Gray
Flash Point in F	245	360
Specific Gravity @ 73° F	1.09	1.01

Application Tests

Resilience
5 hr. Compressive Strength
24 hr. Compressive Strength
7 Day Tensile
7 Day Tear
Pot Life

Procedure

ASTM C579-01
ASTM C579-01 Mod
ASTM C579-01 Mod
ASTM D638
ASTM D624
Gardeo GT-S Gel polymers

Results

Pass
2100 psi
3800 psi
500+ psi
200 lb f/n
5 min

Temperature

80° - 100°
60° - 80°

Set Time

5-6 min.
10 min.

Return to Service

20 min.
30 min.

BREWER COTE® *Of Arizona*

**Now
For Rent**
250 gal Tack Sprayer



Trailer Mounted Heated Emulsion Sprayer

FEATURES

- 5' Aluminum spray wand with 35 1/2" hose
- Round "U" bottom for easy cleaning & 3' drain
- Gear pump rated minimum 10 gal per minute
- Circulation and bypass control for wand pressure
- Large 16" lockdown removable manway
- 20 lb propane tank, regulator and pressure gauge
- 150,000 btu propane burner, removable hand torch
- Honda Engine with 6:1 gear reduction drive
- Lower engine speed means longer pump life
- 8 gal flush tank for clean out of pump and wand
- 3" heat tube, vented to heat pump (pump enclosed)
- 3" welded steel channel frame, fenders & tail light guards
- Expanded metal sides for safer "standing while filling"
- 2000 # jack stand, swivel and electric brakes
- Front storage area with tie downs
- Pintle Hitch

SKID MOUNTED UNIT SPECIFICATIONS

Model QS/E	250 Gal.
Height	4"
Length	7'6"
Width	3'6"
Weight	850 lbs.

PUMP SPECIFICATIONS 1" Positive Displacement Gear Pump

ENGINE SPECIFICATIONS GX Honda Engine with 6:1 gear reduction



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BREWER COTE® *Of Arizona*



250 gal Skid Mounted Heated Emulsion Sprayer

FEATURES

- * 5' Aluminum spray wand with 35 1/2 " hose
- * Round "U" bottom for easy cleaning & 3' drain
- * Gear pump rated minimum 10 gal per minute
- * Circulation and bypass control for wand pressure
- * Large 16" lockdown removable manway
- * 20 lb propane tank, regulator and pressure gauge
- * 150,000 btu propane burner, removable hand torch
- * Honda Engine with 6:1 gear reduction drive
- * Lower engine speed means longer pump life
- * 8 gal flush tank for clean out of pump and wand
- * 3" heat tube, vented to haet pump (pump enclosed)

OPTIONS

- * Electric Ignition
- * Electric Start Engine
- * Electric Water Pump
- * Electric Burner
(12v from vehicle battery)
- * Electric Brakes
- * Propane Engine
- * Larger propane tanks
- * 6' Spray bar with 5 tips
- * Hose Reels
- * 5/16" ball pintle hitch
- * Additional flush tank

SKID MOUNTED UNIT SPECIFICATIONS

Model QS/E	250 Gallon
Height	4"
Length	7'6"
Width	3'6"
Weight	850 lbs.

Pump Specifications
 1" Positive Displacement Gear Pump
 1 yr Manufacturer's Warranty

Engine Specifications
 GX Honda Engine with 6:1 gear reduction
 36 mo Manufacturer's Warranty

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BREWER COTE® *Of Arizona*

BREWER COTE PORTABLE PUMP KIT 2

BC-PPK 2 #480442

The 5.5 HP Power Built OHV Engine runs our 1 ½" Nomad Gear Pump with ease. It is Designed for a multitude of uses, capable of pumping tack, crack filler and other Asphalt or coal tar emulsions straight from the drum, or mounted to your buck tank. Viscous sealers may also be sprayed if connected with gravity flow.

FEATURES

- 5.5 HP Power Built OHV with 6 to 1 Gear Reduction
(Lower engine speed means longer pump life!)
- 1 ½" Nomad Pump rated a minimum of 10 GPM
- Tee Inlet for Priming and Washout
- 30' x ½" High pressure Spray Hose – 5' Aluminum Wand
- 10' x 1" Suction Hose with connections for Gravity Feed
- Adjustable Pressure Relief Valve
- All Steel Plumbing (No Heat problems)
- 1 yr. Manufacturer's Warranty

OPTIONS

- 5.5 HP Honda Engine (with low oil shut down)
- 50' Spray Hose and 6' Wand
- 1 ½" Basket Type Strainer
- Hose Reels (manual and spring loaded)

SPECIFICATIONS

Weight	75 lbs.
Length	30"
Width	16"
Height	14"

PUMP SPECIFICATIONS

- 1 ½" Nomad Positive Displacement Gear Pump
- 1 yr. Manufacturer's Warranty

ENGINE SPECIFICATIONS

- 5.5 HP Power Built OHV
- 6 to 1 Gear Reduction
- 1 yr. Manufacturer's Warranty

"The Pavement Maintenance Specialists"

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BREWER COTE PORTABLE PUMP KIT 3

BC-PPK-3

#480443

The Brewer Cote Portable Pump Kit is designed for a multitude of uses will draw from drums and tanks to spray SS1H and other less viscous materials. High viscosity materials such as coal tar emulsions should be set up with gravity feed or drums may be laid on their side to allow material to flow.

FEATURES

Complete Briggs & Stratton 8 HP engine with 6 to 1 gearbox
1½" Bowie Pump equipped with bypass control valve, to regulate Pressure.
#9100 Rubber geared rotary pump, capacity 30 GPM.
1½" Basket type strainer for priming, washout
Important: Pump must be primed through strainer Before starting.
Complete aluminum spray wand 30' x 3/4", High-pressure spray hose,
10' x 1", Suction hose with connections for gravity feed.
Unit built on channel with handles, two men can move easily
weight 150 lbs., length 36", width 26", height 21".

WARRANTY

All parts have full warranties for 1 year (for defective workmanship), though We stress again the importance of priming the pump due to the problem of friction that will cause severe damage to the gears if not lubricated. Service and accessories are available at Brewer Cote Office, along with specifications and/or Technical Service.

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Distribute your asphalt crack filler material with our 2 gal Pour Pot made of 18-gauge steel. Release material with the fingertip control valve 7 1/2" diameter X 26" tall.



Combined with your air compressor and propane source, the P.A.T. (propane, air, torch) torch will create a high heat output along with a high-speed blast of air to clean and dry cracks in the work area. Made of 3/8" and 1/2" aluminum pipe. comes complete w/ torch, 50' hose, regulator, and striker

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Pour Pot

The **MARSHALLTOWN** Pour Pots are used to apply cold crack sealant to Asphalt or Concrete. Made of 14 gauge Steel in the USA, these Pour Pots are a durable option. You have your choice of three different 2.6-gallon designs:

Pour Pot w/ Legs

Pour Pot w/ Wheels

Pour Pot w/ Long Handle.

All three have fingertip nozzle control, and the nozzle adjusts from $\frac{3}{8}$ " to $\frac{1}{2}$ ".

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Asphalt Banding Machine

The **MARSHALLTOWN** Asphalt Banding Machine dispenses a uniform 3" branded finish up to $\frac{1}{8}$ " thick over cracks. Pull your Asphalt Banding Machine backward and use the guide to fill cracks with ease. It's made of 14 gauge steel and has a reversible wear shoe, extending its life by at least three times before having to replace. You can use hot or cold crack sealants in the 4-gallon hopper. It comes fitted with 6" diameter steel disk wheels.

Uniform 3" branded finish up to $\frac{1}{8}$ " thick
Reversible wear shoe for 3x the life
4 gallon hopper
Use with hot or cold sealants



Replacement Bander Wear Plate

The **MARSHALLTOWN** Replacement Bander Wear Plate fits our Asphalt Banding Machine. Extend the life of your Banding Machine. It's quick and easy to replace.

- Fits the **MARSHALLTOWN** Asphalt Banding Machine
- Dispenses a uniform 3" banded finish
- Quick and easy to replace

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OIL SPOT PRIMER

Brewer Cote® Oil Spot Primer is a modified latex acrylic that has been formulated to help Pavement Sealers adhere to existing stained surfaces. Added ingredients improve the penetrating ability of our primer and thus gives added future protection. For use on all Parking Lots, Aprons and Driveways of asphalt construction.

METHOD OF APPLICATION

Stir well before using, Apply a thin coat. Should be diluted up to 100% with water. May be Brushed or sprayed with a garden type sprayer. Always torch lightly the spot and scrape off Excess oil before applying.

WEATHER LIMITATIONS

For best results, apply on cleaned, dry surfaces when temperature are not to drop below 50° F for 2 hrs.

Drying time	Clean up	Color	Packing
1 hr. or less depending on weather conditions	Water when wet mineral spirits when dry	Dark Brown when wet Black when dry	5 gal pails (45 lbs.) 55 gal Drums (480 lbs.)

PHYSICAL ANALYSIS

Non-Volatiles %	45% min
Specific Gravity	1.02
Flexibility	No Cracking or Flaking
Resistance to impact	No Chipping, Flaking or Cracking
Accelerated Weathering	No deterioration

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TACK OIL (SS1H)

Brewer Cote Tack Oil (SS1H) is a high solids-slow setting Asphalt Emulsion with additives and viscosity builders for optimum performance. Brewer Cote Tack Oil meets and exceeds ASTM D 977.

COVERAGE

100 sq./ft per gal diluted with one-part water to one-part concentrated material.

METHOD OF APPLICATION

Brush, squeegee or conventional oil spreading equipment.

WEATHER LIMITATIONS

For best results do not apply on rainy, foggy or when temperature is expected to drop below 50° F during the next 24 hrs.

DRYING TIME

1 hr. at 77° F
50% humidity.

CLEAN UP

Water before dry,
Tar-X and Pavement
Equipment Cleaner when dry.

COLOR:

Brown before drying,
black finish

PACKAGING:

5 gal Pails,
55 gal Drums
Bulk

STANDARD SPECIFICATIONS

TEST DESCRIPTION	AASHTO METHOD	RESULTS	SPECS
<u>Test on Emulsion</u>			
Viscosity @ 77F, SFS	T59	32.1	20-100
Sieve Test, WT%	T59	0.03	0.10 max
Residue by Evaporation	A512	64.2	57 min
<u>Residue by Distillation</u>			
VOC @ F. % of Total	T59	0.05	3 max
<u>Test on Residue from AZ 504</u>			
Original DSR		1.52	1.00 Kpa, min
Phase Angle		88.0	report
RTFO DSR		3.52	2.20 Kpa, min
Phase Angle		82.1	report
PAV DSR		4002	5000 Kpa, max
Phase Angle		57.5	report
S Value		110	300 Mpa, max
M Value		0.355	300 min

BREWER COTE OF ARIZONA INC ® THE PAVEMENT MAINTENANCE SPECIALISTS

5226 W. MISSOURI AVENUE, GLENDALE, ARIZONA 85301

WWW.BREWERCOTEAZ.COM • TEL 623-931-3728 • TOLL 888-931-3728 • FAX 623-842-0714 • SALES@BREWERCOTEAZ.COM



RHINO HIDE

is a blend of emulsified asphalt, clean aggregate modifiers, fiber, rubber & drying agents. Designed especially for heavy duty repairs of alligatoring and Skin patching, along with serious crack repair. Rhino Hide can be used to build up depressions, fill expansion joints and wide cracks or any other job requiring a Towel Grade, heavy duty, fast drying modified asphalt.

RHINO HIDE

SURFACE PREPERATION

Surface must be dry, clean, and free from all loose material, dirt, and dust.

APPLICATION

Pour/trowel into alligator areas and work with squeegee, feather in edges.

FILLING ALLIGATORED AREA

Pour in alligator areas and work with squeegee.

FILLING CRACKS

Fill cracks, scrape excess from surface before setting.
(Use V-shape squeegee).

FILLING BIRD BATHS

Fill with lifts of 1" depth maximum, allow to harden before applying seal coating. A second coat can be applied after the 1st coat dries to blend better with the sub strait. If traffic cannot be avoided after 4 hrs., cover area. Clean area of all dirt, dust and loose with band before opening for traffic material. Surface must be dry and clean

WEATHER & LIMITATIONS

For best results, do not use when rain is in the forecast and temperature is not expected to drop below 55° F. Rhino Hide is no substitute for properly replaced asphalt, Rhino Hide will prolong the life of the deteriorated asphalt

DRYING TIME

½" Lifts; 4 hrs., 1" Lift; 6-8 hrs., based on 77° F, 50% Hum. Test for traffic ability before opening. If traffic Must be opened, broadcast with sand.

COVERAGE

5 Gal covers: 8 sq./ft
1" thick 96 ln/ft @ 1"x 1"

CLEAN UP

Paint Thinner or
Biodegradable solvents.

COLOR

Black, when dry

PACKING:

5 gal pails
55 gal drums.

NOTE:

Keep from freezing. Do not store in direct sunlight or where temperatures exceed 100° F.





Brewer Flex® Cold Pour Crack Sealant

Brewer Flex® Cold Pour Crack Sealant has been designed with additional Acrylic and Plasticizers to give you Maximum Elongation and Resiliency in a ready to use product. Like our “Brewer Flex® Hot Pour Crack Sealant”, no other product performs as well in both Concrete and Asphalt crack joints.

Use Brewer Flex® Products when you want superior long-lasting results.

ADVANTAGES

- Ready to use • Cost Effective • No Heating Necessary • Flex at Low Temperature
- Great for Hot Climates • Beautifies your Pavement Investment • Extends Life of Pavement

METHOD OF APPLICATION

Stir before using, pour along crack out of the container or applicator. A second application maybe necessary in deep cracks or joints.

WEATHER LIMITATIONS

Do not apply if below 45° F, or if rain is imminent, and is not going to fall below 45° for the next 24 hrs. Pavement slots must be free of dust, dirt and water prior to application. Use compressed Air before applying sealant. Slot may be slightly damp to help penetration of sealant.

COVERAGE

Approximately 30 Ln/ ft. per gal. based on ½” wide by ½” deep cracks. Coverage will vary depending on width / depth of slot and type of application method.

DRYING TIME

For best results, apply to clean dry cracks when temperature is not expected to drop below 50° F for the 24 hrs.

CLEAN UP

Water prior to drying
Use Biodegradable Prism
or suitable solvent

COLOR

Black

PACKAGING

5 gal. pails

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PERMANENT PAVEMENT REPAIR MATERIAL UPM ® Unique Patching Material

UPM ® Permanent Pavement Repair Material is a High-Performance cold patch asphalt mix that can Be used by Municipalities, Contractors business and Home owners to repair Roadways, Parking Lots, Jogging Bicycle and Walking paths, Driveways and other Asphalt and Concrete pavements.

Benefits / Features

Year-round use • Ready to use – No primer or tacking materials are required prior to patching • Permanent repairs- UPM ® mix repairs have been proven* to out-last the surrounding pavement (*Strategic highway research program (SHRP-H 106 Report plus other independent studies.) • All Weather Application – Permanent repairs under wet or dry conditions. • Seasonal grades – Specific formulations to accommodate year-round patching requirements. • Easy to use – Pour or shovel UPM ® mix into the pothole using the 3 – step method.

Distributor



BREWER COTE OF ARIZONA INC ® 'THE PAVEMENT MAINTENANCE SPECIALISTS'
5226 W. MISSOURI AVENUE, GLENDALE, ARIZONA 85301



PERMANENT PAVEMENT REPAIR MATERIAL

UPM® Unique Patching Material

Limitations

Not intended for applications on unsound pavements. For overlay applications at least one test Section should be prepared to evaluate the suitability of the materials and procedures. Do not Sealcoat over new patches for at least 30 days to allow for proper curing.

Surface preparation

The area to be prepared should be cleaned and swept to remove loose fragments and debris from the area providing a solid base and clean edges.

For Best Results

Use the appropriate grade of UPM® mix for the ambient temperature at the time the mix is being Applied. Compact the mix before opening to traffic.

Placement

Shovel or pour UPM® mix into hole and level out 25% higher than desired depth to allow for Compaction. Compact UPM® mix with hand tamper, roller or plate compactor. For deep potholes, Apply and compact UPM® mix in separate 2" layers.

Coverage

10 lbs. of UPM® mix covers 1 sq. ft, 1" deep. Coverage rate @ 2" Deep

Unit	Square Feet
1 Ton	100
660 lb. Drum	33
60 lb. Pail	3
50 lb. Bag	2.5
24 lb. Pail	1.2

UPM® Mix Seasonal Grade

Winter
Spring/ Fall
Summer
Extreme Summer

To be applied when outdoor temperature is

40° F and Below / 4° C and Below

40° F To 60° F / 4° to 16° C

60° F to 80° F / 16° to 27° C

80° F and Above / 27° C and Above

Shelf Life

Two years if stored in an unopened pail or drum. 18 mos. In unopened Bag. Bulk tonnage varies.

BREWER COTE® *Of Arizona*

Air Pump Spray Kit System 4

Model Number: BC-APK-4

Part Number: 480144

The 8 HP Honda Air Pump System gives you increased volume (over our 5.5 HP Unit) Even Spray Bar capability. This System is capable of spraying all types of emulsions And sand loading, the 1" Nomad "No Freeze" dual diaphragm pump performs.

FEATURES

1" Nomad Dual Diaphragm Pump
Large Capacity 2" Basket Type strainer
50' $\frac{3}{4}$ " Spray Hose, 6' Aluminum Wand
1 $\frac{1}{2}$ " Ball Valve for Transfer
Pressure Regulator and Air Filter

SPECIFICATIONS

Weight	375 Lbs.
Height	45"
Width	25"
Length	55"

Pump

Nomad 1" Dual Diaphragm Non Freeze System
1 Year Manufacturer's Warranty

Engine

8 HP Honda Engine with Low Oil Shut Down
2 Year Manufacturer's Warranty

Air Compressor

Tank Size 8 Gallon
CFM 20 CFM @ 175 PSI
PSI Factory Sets at 125
1 Year Manufacturer's Warranty

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Backer Rod Mfg. Inc.

COLD HBR BACKER ROD

As essential element in good joint design is use of a backer rod. A primary function of the backer rod is to act as a bond breaker, preventing three sided adhesion of the sealant at the same time forming the desired cross section of the sealant bead. Failure to utilize a backer rod will allow the sealant to band to the bottom of the joint. This results in excessive stress on the sealant.

Another function of the backer rod is to control the thickness of the sealant bead. The backer rod should be approximately 25% oversized so that it fits tightly into the joint. A loose backer rod will be pushed deeper into the joint when the sealant is installed and will not provide adequate support for the proper tooling of the sealant. Without this the thickness of the sealant bead cannot be controlled as required. With proper tooling the sealant is pushed down onto the backer rod and firmly against the joint walls. Sealant requires a tight fitting backer rod to control thickness of the sealant bead and to prevent from bypassing the backer rod to the bottom of the joint.

Part Number	Description
#34626	3/8" Cold HBR 3600'/box
#34627	1/2" Cold HBR 2500'/box
#34620	5/8" Cold HBR 1550'/box
#34622	7/8" Cold HBR 850'/box
#34623	1" Cold HBR 550'/box
#34621	1 1/2" Cold HBR 420'/box
#34624	1 1/4" Cold HBR 400'/box
#34611	2" Cold HBR 252'/box
#34608	1/4" Cold HBR 6400'/box
#34625	3/4" Cold HBR 1100'/box
#34610	2 1/2" Cold HBR 162'/box
#34627	3" Cold HBR 102'/box
#34628	4" Cold HBR 54'/box
#34629	Backer Rod Installer

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NOMAD

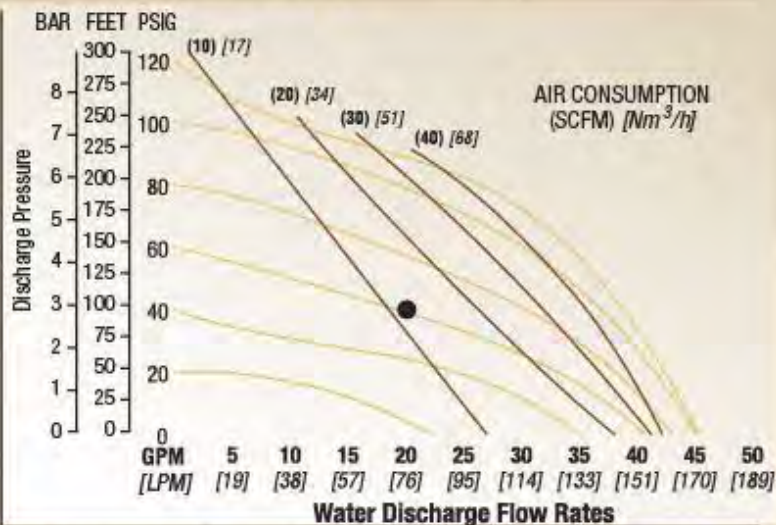
PERFORMANCE DATA

NPF25

1"



Air Inlet.....	6 mm (1/4")
Inlet.....	25 mm (1")
Outlet.....	19 mm (3/4")
Suction Lift.....	5.79 m Dry (19')
	8.53 m Wet (28')
Displacement/Stroke.....	0.34 l (0.091 gal)*
Max. Flow Rate.....	170 lpm (45 gpm)
Max. Size Solids.....	3.2 mm (1/8")
Height.....	279 mm (11.0")
Width.....	267 mm (10.5")
Depth.....	201 mm (7.9")
Est. Ship Weight.....	Aluminum 12 kg (26 lbs)
	Stainless Steel 16 kg (36 lbs)

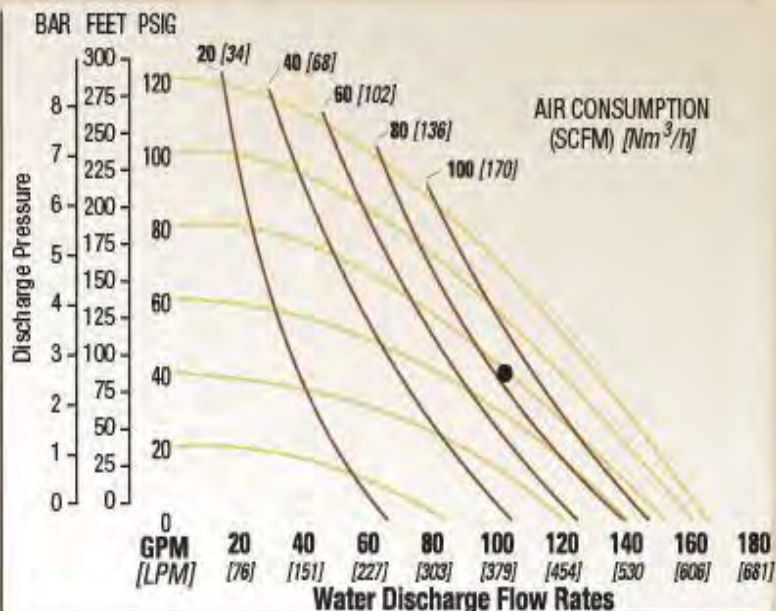


NPF50

2"



Air Inlet.....	13 mm (1/2")
Inlet.....	51 mm (2")
Outlet.....	51 mm (2")
Suction Lift.....	6.9 m Dry (22.7')
	8.6 m Wet (28.4')
Displacement/Stroke.....	2.61 l (0.70 gal)*
Max. Flow Rate.....	623 lpm (164.7 gpm)
Max. Size Solids.....	6.4 mm (1/4")
Height.....	668 mm (26.3")
Width.....	404 mm (15.9")
Depth.....	343 mm (13.5")
Est. Ship Weight.....	Aluminum 32 kg (70 lbs)
	316 Stainless Steel 51 kg (112 lbs)
	Ductile 47 kg (104 lbs)





Brewer Flex® Hot Pour Crack Sealant

Brewer Flex Hot Pour crack sealant is a hot applied, polymer modified crack and joint sealant for use with asphalt and concrete pavements. Like our "Brewer Flex® Cold Pour", no other product performs as well in both concrete and asphalt cracks and joints. Use Brewer Flex® products when you want super long-lasting results.

ADVANTAGES

• Tough durable finish that is skid resistant • Reduces cleaning cost • Spray or squeegee application for customized results • Flex at low temperature • Great for hot climates • Beautifies your pavement investment. • Extends life of pavement

METHOD OF APPLICATION

This material must be heated using indirect heating methods, either a double boiler or hot oil circulated kettle. Equipment must have means of maintaining agitation to material. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

WEATHER LIMITATIONS

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

DRYING TIME

For best results, apply in clean dry cracks when temperature is not expected to drop below 50° F for the next 24 hrs.

CLEAN UP

Water prior to Drying
Use Biodegradable PRISM*
solvent or a suitable solvent

COVERAGE

1/4" wide X 2" deep = 26 lbs./ 100 ln/ft
1/2" wide X 3" deep = 78 lbs./ 100 ln/ft

COLOR

Black

PACKAGING

30 lbs. boxes

BREWER COTE of ARIZONA® INC

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GLENZOIL 20 PLUS

Distributor
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The Pavement Maintenance Specialists
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Tel. 623-931-3728 Toll 888-933728
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PRODUCT DESCRIPTION

This crack sealant barrier material is a unique, biodegradable, non-toxic liquid that prevents tracking and picking of freshly applied hot-melt sealants. It forms a temporary protective barrier that allows traffic immediate access to the repaired pavement, yet it does not affect the sealant or asphalt. Glenzoil 20 Plus requires only one person to apply, saving labor costs, and eliminates the mess and costs associated with conventional blotting materials.

PRODUCT FEATURES

- All Natural
- Biodegradable
- Contains No Petroleum/Silicone
- Non Flammable
- Non Toxic
- No Harmful Environmental Effects

PRODUCT BENEFITS

- Cost Effective
 - Requires one person to apply
 - Eliminates using sand and associated costs
 - Completes the job in less time
 - Decreases job cost & increases production
 - Eliminates need to set up long stretches of cones
- Easy to Use
 - Apply with hand held sprayer directly to sealant
 - Does not require specialized application equipment
- Safe to Use
 - Non Toxic



Item No.	Description
G7-5G	Glenzoil 20 Plus - 5 Gallon Pail
G7-4CS	Glenzoil 20 Plus - 4 Gallon Case
G7-55	Glenzoil 20 Plus - 55 Gallon Drum



301 Ellicott Street
Buffalo, NY 14203-1680
800.724.7667
716.854.2889
www.emulso.com

GLENZOIL 20 PLUS

GENERAL: EMULSO Glenzoil 20 Plus is a liquid specifically designed to prevent tracking of freshly applied hot-melt crack and joint sealants. When properly applied to the surface of the sealant, **Glenzoil 20 Plus** will provide a barrier between the sealant and the vehicle tires thereby eliminating picking and tracking of the sealant until it has set up.

PERFORMANCE SPECIFICATIONS: **Glenzoil 20 Plus** will prevent the picking of freshly applied hot-melt rubberized sealants with no effect on the composition or performance of the sealant or surrounding asphalt. It will provide an effective barrier over the surface of the sealant without excessive evaporation even when applied to the sealant at their recommended pour temperatures. **Glenzoil 20 Plus** will effectively prevent picking of the sealant until such a time as the sealant cures. After approximately thirty to sixty minutes, **Glenzoil 20 Plus** will dissipate leaving only a slight residue which will wash away with the first rainfall. **Glenzoil 20 Plus** contains no surfactants which have shown to significantly reduce the slip resistance of the sealants surface. Friction testing has shown **Glenzoil 20 Plus** to have no more effect on the slip resistance of the sealant than water. **Glenzoil 20 Plus** contains no hazardous ingredients and is not harmful to the user or the environment.

APPLICATION: Successful application is generally achieved with the use of a hand held pump up sprayer. Application rate will vary depending on the sealant temperature, ambient temperature, surface temperature, width and depth of the crack, distance and time of application after the application of sealant, traffic volume, etc. On average, rate of application will be one gallon of **Glenzoil 20 Plus** to every 50 - 100 gallons of hot-melt rubberized sealant.

Spray **Glenzoil 20 Plus** directly onto the surface of the sealant. An adjustable tip on the spray wand is necessary to adjust the spray stream to a width that will cover the sealant in one pass. The entire surface of the sealant must be wetted with **Glenzoil 20 Plus** to prevent picking of the sealant. Although **Glenzoil 20 Plus** is effective when applied immediately following the application of the sealant, yield is better if the sealant is allowed to seek its level and begin to cool, especially with wide or deep sealant reservoirs and wide or thick band-aid overlaps.

PACKAGING: Packaging of EMULSO **Glenzoil 20 Plus** consists of individual 5 U.S. gallon plastic pails each weighing 47 pounds. Standard palletization consists of 36 pails weighing 1752 pounds. Pails contain a lid pour spout for easy transfer to spray equipment on the job site.

STORAGE: Pallets should not be stacked higher than two high. Pails may be stored outside. If frozen, thaw, shake well and use. Shelf life is one year.

SAFETY PRECAUTIONS: Before using **Glenzoil 20 Plus**, all personnel involved with the use of **Glenzoil 20 Plus** should read and understand the MATERIAL SAFETY DATA SHEET for EMULSO **Glenzoil 20 Plus**. Personnel should also read and understand the MATERIAL SAFETY DATA for the hot-melt sealant being used in conjunction with **Glenzoil 20 Plus** before sealing is started. DO NOT test the effectiveness of **Glenzoil 20 Plus** by touching the sealant with unprotected skin. It is important to note that the application of **Glenzoil 20 Plus** to the surface of the hot-melt crack sealant will not significantly cool the sealant and skin contact with the hot sealant material will cause burns.

WARRANTY: EMULSO CORPORATION warrants that **Glenzoil 20 Plus** will perform as outlined in this product data sheet. EMULSO shall not be responsible for improperly placed or misused material. Remedies against EMULSO CORPORATION, as agreed to by EMULSO, are limited to replacing nonconforming product or refund (full or partial) of purchase price from EMULSO CORPORATION. All claims for breach of this warranty must be made within thirty days of the date of use or six months from the date of delivery by EMULSO CORPORATION, whichever is earlier. There shall be no other warrantless expressed or implied.

BREWER COTE® *Of Arizona*



The QwikFire Cracksealant Melter was designed for the serious applicator, by experienced Pavement Maintenance Specialists. This gravity flow, (pump system optional) oil jacketed workhorse is powered by an 8 hp electric start engine, including quick heat up (less than 1 hr.) and quiet operation. Electronic ignition, material, and oil thermostats, you don't have to worry about over-heating and additional training. Our hydraulic controlled auger mixing system actually grinds the cold sealant for excellent recovery and performance. The QuickFire Melter features the lowest (46") sealant loading deck in the industry and has a comfortable curbside operation. The U design allows material to flow to the rear for the most efficient application and with the removable top, the easiest to clean.

Features

Oil jacketed design that completely wraps around to allow heat up time in less than an hr.
 1" Thick high temperature ceramic insulation.
 Electronic ignition to avoid overheating material, and temperature control on both material and oil.
 8 hp Briggs and Stratton engine with electric start and charging.
 Bolt on lid for easy cleaning and agitator maintenance.
 Sealed agitator shaft with grease zerk.
 Drag King and V Squeegee Hangars
 500,000 BTU Hand Torch with hose for warming application tools
 The Tank and Oil Jacket is designed with 3/16" gauge steel, the inner heat shield is 10-gauge steel.
 Hydraulic Speed control mixer, with forward and reverse

Options

8 hp Honda Engine	11 hp Propane Engine
Additional Propane Tank	2 5/16" Ball Hitch (Pintle included)
Special Paint	Deck Insulation
Custom Configurations	Pump Systems
(Built to mount across trailer)	(13 hp Upgrade)

* All specifications are subject to change without notice

Specifications

	<u>50 gal Skid</u>	<u>50 gal</u>	<u>75 gal</u>	<u>100 gal</u>	<u>100 gal pumper</u>
Weight	450 lbs	1000 lbs	1250 lbs	1500 lbs	2000 lbs
Length	6'-0"	10'-6"	12'-0"	12'-8"	15'-4"
Width	3'-10	5'-3"	5'-3"	5'-3"	6'
Height	2'-6"	4'	4'	4'-6"	4'-10"
GVW	—	2,000 LB	2,500 LB	3,000 LB	3,500 LB

Specifications

Optional Pump Specification's
 1 1/2" Flowserve Pump with bypass for Circulation
 24 volt Electrical Heated 20' Hose w/Trigger pump Control
 1 yr. Manufacturer's Warranty

Standard Engine Specification's
 8 hp Electric Start Briggs & Stratton Intek I/C
 1 yr. Manufacturer's Warranty

If you don't see what you're looking for ask your Brewer Rep ~ Trailer Spec's referenced

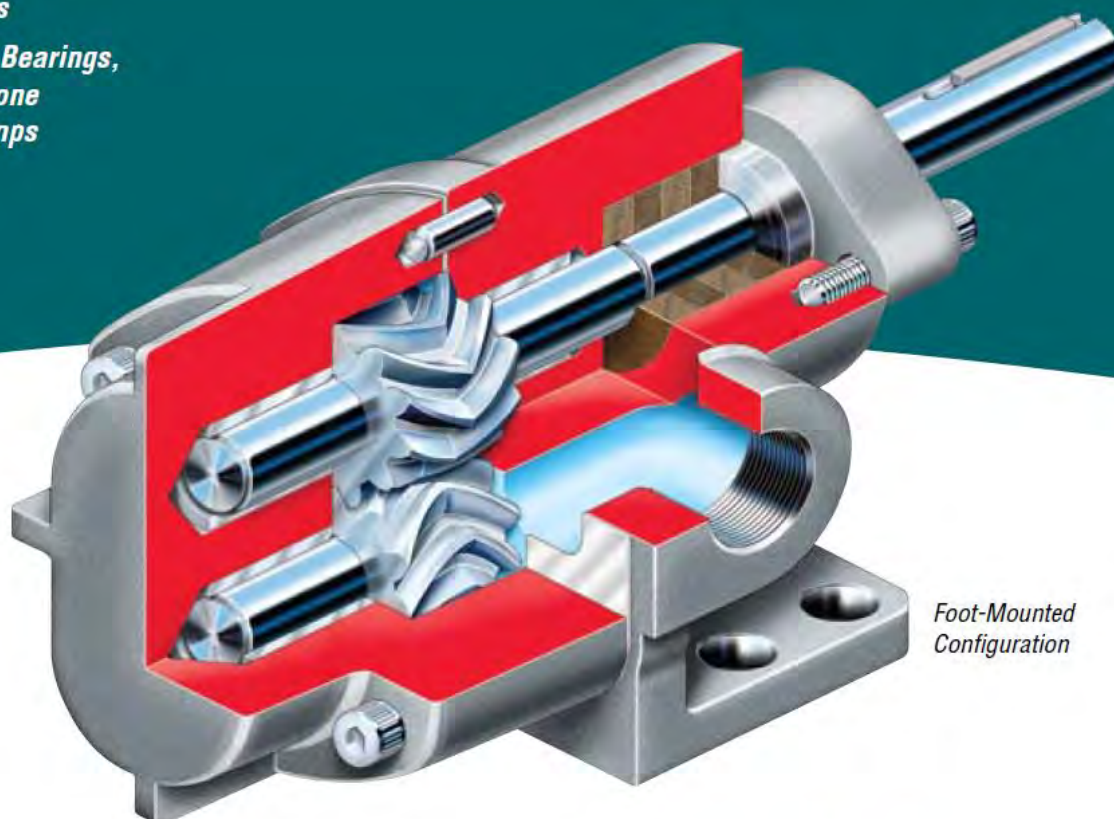
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GA Series

*Between Bearings,
Herringbone
Gear Pumps*



*Foot-Mounted
Configuration*

GA Series gear pumps have long been workhorses in highly viscous applications within a multitude of industries due to their dependability, efficiency and low total life cycle costs. Engineered to reliably pump viscous fluids over a broad range of flows and pressures, the GA Series' superior between bearings, external gear design offers the benefits of pulse-free operation, dry-run capability and ease of maintenance.

Operating Parameters

- Flows to 27 m³/h (120 gpm)
- Speeds to 1800 rpm
- Viscosities to 50 000 ssu
- Temperatures to 175°C (350°F)
- Pressures to 17 bar (250 psi)
 - Flange Mounted: to 17 bar (250 psi)
 - Close Coupled: to 10 bar (150 psi)
 - Foot Mounted: to 17 bar (250 psi)

Features and Benefits

Two-Piece Doweled Construction ensures accurate alignment and facilitates maintenance by allowing faster access to pump internals without disturbing piping.

Stuffing Box on long-coupled configuration allows for ample packing or mechanical seals for greater flexibility. To increase uptime and reduce maintenance costs, the stuffing box is exposed to suction pressure only.

Full Hydraulic Balance eliminates need for specialized balancing devices or thrust bearings.

Suction and Discharge passages designed for free, even flow and greater suction lift capability.

Horizontal and Vertical Suction and Discharge Openings on sizes 1-4 of the flange-mounted and close-coupled designs permit greater piping flexibility.

Standard Carbon Sleeve Bearings are self-lubricating for handling low-viscosity fluids. Bronze bearings are available for dirty fluid applications.

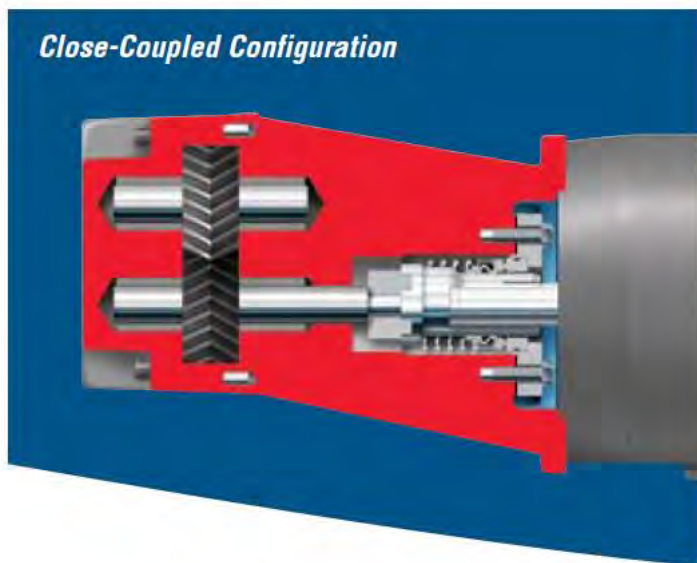
Precision Machined Teeth engage gradually, preventing trapping of liquid and eliminating shock loading.

Distributor

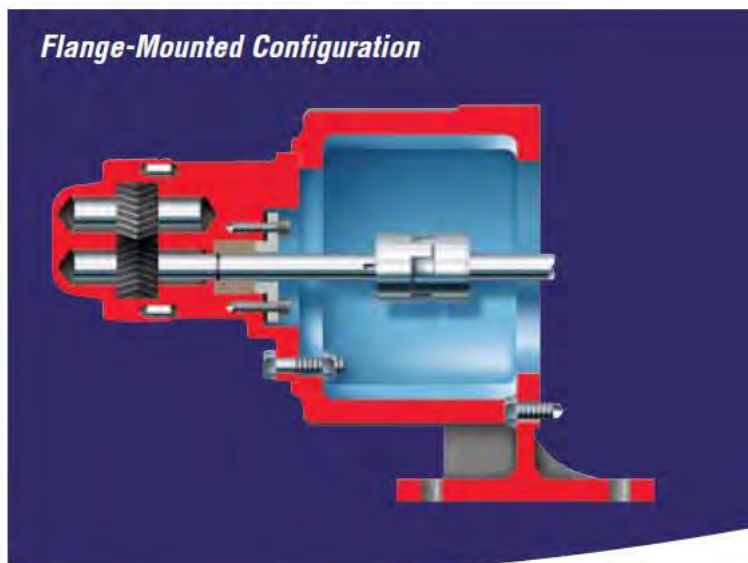
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Close-Coupled Configuration



Flange-Mounted Configuration



Multiple Mounting Configurations

The cast iron GA Series pumps are available in three mounting configurations – foot-mounted, flanged and close-coupled. With its multiple options and modular design, GA Series pumps can be customized to satisfy a wide range of applications.

- **GAS:** Foot-mounted
- **GAF:** Flange-mounted
- **GAC:** Close-coupled

Available Options

- Integral safety relief valve provides short-term emergency bypass
- Mechanical seal ensures positive sealing
- Mechanical seal with inboard shaft bearing for belt, chain or overhung gear drives
- Bronze sleeve bushings for dirty fluid applications

Engineered for Low Cost of Ownership

Low Installation Costs

- Variety of mounting arrangements
- Horizontal and vertical suction/discharge openings
- Stuffing box accommodates packing or mechanical seals

Low Maintenance Costs

- Minimal shaft deflection
- Reduced bearing loads and shaft deflection
- Accurate alignment with two-piece doweled construction
- Reduced wear rates

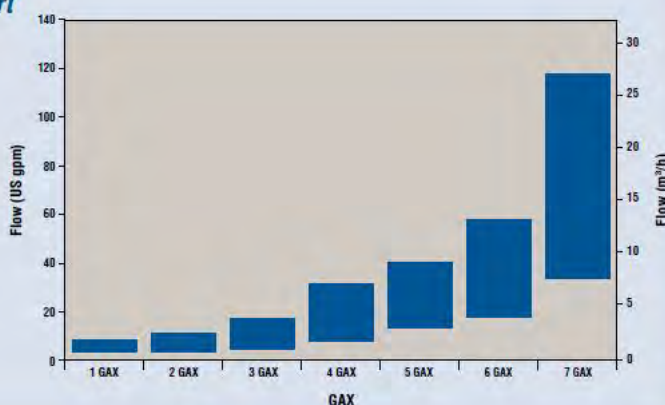
Low Operating Costs

- Prolonged service life
- Efficient operation over a broad range of speeds, pressures and viscosities
- No speed reducers
- Only one coupling guard

GA Series Quick Selection Chart

This chart may be used to identify the particular GA Series pump model and the corresponding performance curve at the desired flow rate. It is meant to direct the user to the appropriate performance curve, not to be a substitute for it.

The ranges shown are based on typical viscosities and speeds and assume zero differential pressure.





10 Gallon Mini Melter is an economical solution for smaller jobs. It can provide hot material in 20 min or less. It is the stationary version of Our popular MA10 wheeled unit. Both inner and outer tanks are built of heavy 14 gauge. steel. Standard features include temperature gauge with guards, built in hand agitator and a propane bottle platform (bottle not included). It comes with a 50,000 BTU burner, 10' hose regulator, striker, and draw off valve. The kettle is capable of melting up to 600 lbs. of sealant per day.

Specifications

Length - 29" Width - 30" Height - 32"

Capacity - 10-gal Weight - 95 lbs.

Distributor

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30-Gal Flex Kettle can provide hot material in 30 min or less. It is built with 14 gauge steel. Standard features include temperature gauge with guard, built in hand agitator, lifting handles, and hinged lid. Comes with a 50,000 BTU burner, 10' hose, regulator, striker, and draw-off valve. The kettle is capable of melting up to 1200 lbs. of sealant per day.

Specifications:

Length - 45", Width - 26", Height - 38"

Capacity 30 Gallon, Weight - 200 lbs.

55 gal Flex Kettle can provide hot material in 30 minutes or less. It is built with 14 ga. steel. Standard features include temperature gauge with guard, built in hand agitator, lifting handles, and hinged lid. Comes with a 50,000 BTU burner, 10' hose, regulator, striker, and draw - off valve. The kettle is capable of melting up to 1800 lbs. of sealant per day.

Specifications:

Length - 49", Width - 30", Height - 43",

Capacity - 55 gallon, Weight - 245 lbs.



MA10 Melter/Applicator is a fast and efficient method for the application of hot applied crack sealants. It can also apply materials from stationary kettles or any large Melter. It can be used without heat for cold pour materials. It is capable of melting and applying 600 lbs. of sealant per day.

MA10 is the result of over 25 yrs. of experience in the manufacture and design of Melter applicators. Both inner and outer tanks are built of heavy 14- gauge steel. Standard features include temperature gauge with guards, built in hand agitator, 1/4" thick steel wheels, propane bottle platform, (bottle not included), spring loaded hand-controlled release valve, 3" steel screed, and a stop plate to prevent "stringers" at the end of a run. It comes with 50,000 BTU burner, 6' hose, regulator, and striker.

Specifications

**Length - 47", Width - 27", Height - 36",
Capacity – 10-gal , Weight 130 lbs.**

Distributor

**Brewer Cote of Arizona "The Pavement Maintenance Specialists"
5226 W Missouri Avenue, Glendale, Arizona 85301**

www.brewercoteaz.com Tel.623-931-3728 Toll 888-931-3728 Fax 623-842-0714 sales@brewercoteaz.com



SPECIFICATIONS

Length – 17”
Width – 15”
Height – 7”
Weight – 17 lbs.

The SH-10 retro-fit burner is specifically designed to replace the conventional torch type burner supplied with most U.S. Built MA10 Melter / applicators and 10 gal. mini Melter's. It is also usable in some Chinese built “knock-off” units utilizing a torch type burner (check your unit dimensions for fitment). Simple sheet metal modifications to the front and rear of the outer sheet metal surfaces are required for installation. Torch valve, hose and regulator are retained after a simple orifice ex-change. Units receiving the properly installed modification will yield initial melting and recovery speeds equaling that of factory Soft Heat machines. No more torch assembly to lose and no more blow-outs (metal integrity and a melting chamber free of burnt or charred material is critical in selecting a unit for modification) This modification kit presents a cost effective way to experience the revolutionary performance and fuel savings of the next generation crack sealant machines that are Soft Heat.

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SPECIFICATIONS

Length – 45"

Width – 16"

Height – 7"



The SH-30 Retro-fit burner is specifically designed to replace the conventional torch type burner supplied with most U.S. Built 30 gallon direct fire Melter's manufactured through the last decade. It is also usable in some Chinese built "knock-off" units utilizing a torch type burner (check your unit dimensions for fitment). Simple sheet metal modifications to the torch entry side and bottom of the outer sheet metal surfaces are required for installation. Torch valve, hose and regulator are retained after a simple extension tube and orifice exchange is installed. Units receiving the properly installed modification will yield initial melting and recovery speeds equaling that of factory Soft Heat machines. No more torch assembly to lose and no more blow-outs (metal integrity and a melting chamber free of burnt or charred material is critical in selecting a unit for modification) This update kit presents a cost effective way to experience the revolutionary performance and fuel savings of the next generation crack sealant machines that are Soft Heat.

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Backer Rod Mfg. Inc.

HBR HOT BACKER ROD

As essential element in good joint design is use of a backer rod. A primary function of the backer rod is to act as a bond breaker, preventing three sided adhesion of the sealant at the same time forming the desired cross section of the sealant bead. Failure to utilize a backer rod will allow the sealant to band to the bottom of the joint. This results in excessive stress on the sealant.

Another function of the backer rod is to control the thickness of the sealant bead. The backer rod should be approximately 25% oversized so that it fits tightly into the joint. A loose backer rod will be pushed deeper into the joint when the sealant is installed and will not provide adequate support for the proper tooling of the sealant. Without this the thickness of the sealant bead cannot be controlled as required. With proper tooling the sealant is pushed down onto the backer rod and firmly against the joint walls. Sealant requires a tight fitting backer rod to control thickness of the sealant bead and to prevent from bypassing the backer rod to the bottom of the joint.

HOT HBR-XL

Part Number	Description
#34616	3/8" Hot HBR-XL Rod
#34617	1/2" Hot HBR-XL Rod
#34618	5/8" Hot HBR-XL Rod
#34615	7/8" Hot HBR-XL Rod
#34612	1" Hot HBR-XL Rod
#34614	1 1/2" Hot HBR-XL Rod
#34613	1 1/4" Hot HBR-XL Rod
#34609	2" Hot HBR-XL Rod
#34629	Backer Rod Installer

Distributor

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BREWER COTE *of Arizona*



**FOR
YOUR
FREE
SAMPLE
TODAY!**

Acrylic Traffic Paint

This fast drying Modified Latex Paint has been used Extensively in the Southwest by Airports, Contractors and Municipalities. It was formulated for extreme weather conditions, high traffic and forms a tough durable oil resistant finish. Recommended for, interior and exterior use, on streets, parking lots, tennis courts, factory floors, and garages.

Characteristics	Test	Specifications
Coverage : 20 mils wet film thickness.		Min/Max
(Estimated) 3" Line - 300 ln/ft per gal.	% Non-Volatiles	58% - 65%
4" Line - 225 ln/ft per gal.	Weight Per gal.	11 lbs Min
5" Line - 180 ln/ft per gal.	Viscosity CPS	5000 - 7500
6" Line - 150 ln/ft per gal.	Paint PH	9.00 Min
* Coverage will vary due to pavement porosity and thickness	Water Resistance 1000 cycles	Pass
	Scrub Resistance 1000 cycles	Pass

Method of Application : Brush, roller, spray gun and automatic striping machine.

Preparation & Limitations : Surface must be clean and dry. All oil and grease must be removed before painting for best results. Do not apply when temperature is to fall below 50° F and rain is expected.

Drying Time : Will set in 10 min. based on 77° F and will dry in less than 30 min. Humidity and temperature greatly effect cure time and should be tested for trafficability before traffic resumes.

Dilution: Stir well and apply at package consistency if using brush or roller. If applied by spraying, strain and dilute up to 10% water if needed depending on the coverage rate required and equipment.

Weight by Color :	White	Yellow	Blue	Red
5 gal Pails	64 lbs	57 lbs	57 lbs	57 lbs
55 gal Drums	720 lbs	644 lbs	644 lbs	644 lbs

*** Brewer Cote can Customize Paint Colors to meet your Specific needs**

Clean Up : Water before dry, a suitable paint remover or Biodegradable solvent

Caution

Keep from children, freezing and direct sunlight. Container should be kept closed when not in use.

The Pavement Maintenance Specialists

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Brewer Cote ® Inductive Cold Pour Loop Sealant

Brewer Cote ® Inductive Cold Pour, Single Component Loop Sealant is a one component pourable, sand and acrylic modified asphalt emulsion for The use in sealing inductive wire loop, slots in asphalt and Portland Cement concrete. This specially formulated sealant is acrylic modified to Give greater flexibility in both hot & cold climates. It also skins over Quickly to form a waterproof barrier. Brewer Cote's Inductive Cold Pour Loop Sealant Meets and Exceeds Federal & State Specifications in Arizona & other States.

ADVANTAGES

- Meets all Federal, State FAA, and Military specifications
- Resists Hydrocarbons, Gas, Oil, and Chemicals
- Spray or Squeegee application for Customized Results
- Highly Resistant to Ultra Violet Light and Water Degradation
- Tough Durable Finish that is Skid Resistant and Reduces Cleaning Costs
- Beautifies your Pavement Investment
- Eliminates Raveling and is Non-Scuffing

Brewer Cote ® Inductive Cold Pour Loop Sealant

Method of Application

Ready to use. B.C. Loop Sealant can be applied by pressure feed, pump, directly from container, or by pour pot. Leave pail upside down prior to use. Mix well with mechanical mixer to make all product uniform and sand is disposed. Excess should be removed immediately by V-Squeegee to force material into loop and to avoid excess waste

Coverage

Approximately 15 ln/ft per gal. based on 1/4" wide by 2" deep slots. Coverage will vary depending on width/depth of slot and type of application method. It is not recommended for slots bigger than 5/8".

*Two coats are recommended on sealed pavements, consult project manager.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 45° F during the next 24 hours. Pavement slots must be free of dust, dirt and water prior to application. Use compressed Air before applying sealant. Slot may be slightly damp to help penetration of sealant.

Drying time

Tack free in one hr. under normal conditions, 77 ° F ,50% humidity. If traffic is unavoidable, broadcast fine Dry sand over surface. Drying time will vary depending on surface temperatures. Test for traffic ability Before opening.

Clean up

Water prior to Drying
Use Biodegradable PRISM ®
or suitable solvent

Color

Black

Packaging

5 gal. Pails / 53 lbs.
with dissolvable liners

Specifications

<u>Test</u>	<u>Method</u>	<u>Min / Max</u>	<u>Results</u>
Viscosity Saybolt Furol	ASTM-D 244	25 -150	125.0 sec. range
Retained on No. 20 Sieve % max	ASTM-D 244 (1)	.10	.02
Particle Charge	ASTM-D 244	Positive	Positive
	Emulsion (for Crack Filling)		
Pumping Stability	2	Pass	Pass
Settlement, 5 Days, % max	D 244	5.0	Pass
Residue, % max	D 244 (3)	60.0	62.0
TEST ON RESIDUE			
Viscosity, 60° F. Centistokes, range	D 2170	100-9500	3.90
Maltene Distribution, Ratio, Range	D 2006-70 (4)	0.7-1.4	1.1
PC/S, Ratio, Min	D 2006-70 (4)	0.50	0.80
Asphaltenes, % max	D 2006-70	11.0	9.50

BREWER COTE OF ARIZONA INC ® "THE PAVEMENT MAINTENANCE SPECIALISTS"

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Brewer Flex ® Hot Pour Detector Loop Sealant

Brewer Flex ® Hot Pour Detector Loop Sealant is a Hot applied Polymer based Modified Asphalt and other Modifiers. This Highly Elastomeric Loop Sealant has Superior bonding characteristics. Manufactured with only select virgin resins and plasticizers. Brewer Flex ® Hot Pour Detector Loop Sealant out performs all competition and Meets or Exceeds California and most State Specifications.

ADVANTAGES

**Meets all Federal, State FAA, and Military Specifications
Resists Hydrocarbons, Gas, Oil, and Chemicals
Spray or Squeegee application for Customized results
Highly Resistant to Ultra Violet light and Water degradation
Tough Durable Finish that is Skid resistant and reduces cleaning costs
Beautifies your Pavement investment
Eliminates Raveling and is non-scuffing**



Samples, Demos & Catalogs of Our Products Gladly Provided

Brewer Flex® Hot Pour Detector Loop Sealant

Method of Application

This material must be heated using indirect heating methods, either a double boiler or hot oil Circulated kettle. Equipment must have means of maintaining agitation to material. Two coats are recommended on unsealed pavements. Consult your project manager if needed.

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50 ° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Drying Time

Allow five to ten mins. for sealant to set (80° F, 50% RH) before opening to traffic, sand lightly if pedestrian or vehicle traffic cannot be avoided.

Coverage

¼" wide X 2" deep = 26 lbs./ 100 ln/ft

½" wide X 3" deep = 78 lbs./ 100 ln/ft

****Two coats are recommended on unsealed pavements, consult project manager.**

Clean up

Mineral spirits / Solvit® / Prism®
or biodegradable solvent

Color

Black

Packaging

25 lb. boxes
with dissolvable liners

Specifications

Test	Method	Min / Max	Results
Application Temperature		380°- 400° F	380°- 400° F
Cone Penetration	ASTM D 3407 Sec 5		10.25 %
Maximum Heating Temperature		420° F	415° F
Resilience, 77° F	ASTM D 3407 Sec 8		30% min
Softening Point	ASTM D 2398	210° F min	210° F min
Tensile Strength		500 psi min	1800 % psi
Elongation, 77° F		300 % min	1000 % psi
Flow, 140° F	ASTM D 3407 Sec 6		0.2 Max

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Thermoplastic Technology.....Industry Breakthrough



CRACK•RITE
The Pavement Life Extender™

CRACK•STIX™

Direct Heat "Rubberized" Crack & Joint Sealant

PATENTED
Elastomeric Compound
Polymer Modified

Multi-Use For Asphalt & Concrete
Meets ASTM/Federal Specifications
Super Resilient...Permanent Bond to Sidewalls
100% Water Tight Seal
Traffic Ready In 20 Minutes
Lifetime Guarantee

1 1/2" Diameter
(Splice for narrow cracks or
double over for larger cracks)

Seals In It...
Not On It...



Professional Results...No Melters...No Pour Pots
The Only Permanent Crack Repair

CRACK•STIX™ ----- **DIRECT HEAT "Rubberized" Crack & Joint Sealant**

Technology Breakthrough...

Now for the first time, contractor-type results in 3 easy steps using 3 tools. **CRACK•STIX™** come in one multipurpose size. They are User Friendly & Ready-To-Use: no mixing, nothing to add, just uncoil, cut-to-length, pack & heat. **CRACK•STIX™** are flexible & can be stretched & shaped to custom fit the repair. The rubberized compound melts/liquefies instantly & cures quickly (traffic ready in

less than 20 minutes). The self-leveling sealant goes **inside the crack...not over the crack...less waste**, no tracking or unsightly residue. The Multi-Use formula can be used on asphalt & concrete pavement.

Why HOT, Direct HEAT Process?

In the past, most contractors have had no choice but to use cold-pour or caulking-type fillers. Cold applied products fill from the bottom-up & do not

permanently bond/seal to the crack sidewalls. **CRACK•STIX™** are hot applied, using a patented, direct heat process. **CRACK•STIX™** form a **permanent bond** to the sidewalls of the crack or joint & provides a (liquid rubber) **100% water-tight seal**. This seal will remain flexible & intact through the winter & summer expansion/contraction cycles.

Permanent Pavement Repair

Elastomeric Compound

1/2 inch Diameter

Melt-Away-Wrap... Keeps hands clean

Easy to use... Low Labor Costs!

Self leveling, No tracking

Pliable...Conforms to shape of crack

Multi Use Formula...Professional Results...



Asphalt to Concrete



Asphalt to Asphalt



Concrete to Concrete

3 Easy Steps...

Clean it... Take a screwdriver & scratch out all debris from inside the crack, then take a whisk broom & sweep it clean. **Crack must be dry.**

Pack it... uncoil & cut the appropriate size stix & shape/pack into crack with fingertip pressure. Using the screwdriver, press the stix into crack approximately 1/16" to 1/8" below actual pavement surface level. To achieve a neat overall appearance, do not overfill crack. Stretch for narrow cracks, double over for wider cracks. **The material seals In It...Not On It.**

Melt it... take propane torch & light it. Adjust bright blue part of flame to 1" long. Holding the flame 1-1/2" from stix, move the flame from side to side in a slow & even motion, heating no more than one foot at a time (melt stick until liquid) Seal cures in 20 minutes & is ready for traffic.

Used By:

Parking Lot Contractors
Paving Contractors
Driveway Contractors
Homeowners
DPW & DOT
Water Authorities
Municipalities
Maintenance Engineers
Park & Recreation Depts.

Used For:

Cracks & Joints
Expansion / Transition Joints
Transverse / Longitudinal Joints
Utility Cuts / Control Joints
Traffic Loops, Hydrants
Parking Lot, Sidewalk, Wheel Chair Ramps
Golf Cart Paths
Linear Parks

CRACK•STIX
The Pavement Life Extender™

CRACK•STIX™

Distributor

Brewer Cote of Arizona

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QUIK-MARK™

SOLVENT & WATER BASED INVERTED MARKING PAINTS

On The Job - On the Mark!

QUIK-MARK™ will Help you do the job Right! From Surveying to Public Utilities Work, Underground Hazard Identification to Construction, Asphalt, Concrete and Grounds Keeping. QUIK-MARK™ is on the Mark! Cleanly and Professionally!

- ☞ Large Assortment of Colors to choose from
- ☞ High-Solids formulation for Bold, Bright, Visible Markings
- ☞ Convenient Spray-Thru™ cap and Non-clogging Tip
- ☞ One-Stroke Application & One-Coat Coverage
- ☞ Use on Gravel, Soil, Grass, Stone, Concrete, Asphalt, Pavement & Other Surfaces
- ☞ Application Marking Wands Available



Distributor

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Pavement Marker Adhesive

Pavement Marker Adhesive is a hot melt adhesive for the placement of pavement markers. This product may be used to bond both Ceramic and Plastic markers to Portland cement concrete, asphaltic concrete, or chip-sealed road surfaces. It acts as a media between the marker of passing traffic and the thermal shock of temperature changes. Damage to the pavement surface is virtually eliminated and the life expectancy of the marker itself is extended. Composed of select asphaltic material blended with mineral filler.

Advantages

Permanent Bond

Can be used on Concrete or Asphalt

Economical

Long Lasting

No Mess

Easy to Install

Composition

Pavement Marker Adhesive shall consist of a bottom release paper line, a middle layer Comprised of .93 mil thickness of non-shrinking rubberized asphaltic membrane and a top layer of a 3 mil clear plastic liner.

Packaging

Packs of 20 - 4" x 4"

Weather Limitations

For best results, do not apply on rainy days or when the temperature is expected to drop below 50° F during the next 24 hrs. On hot days, the pavement shall be pre-dampened with fog system. New asphalt should not be sealed until after exposed to a full summer heat cycle. Ambient and surface temperature must be at least 55° F and rising during application. Do not apply if rain is in the forecast for the next 24 hrs.

Method of Application



Step 1 Contact Surface must be completely clean, dry and free of foreign and loose material. Pre heat the ground where the adhesive will be placed



Step 2 after removal of the white wax paper, press the exposed side onto the surface where the reflector is to be located



Step 3 Heat the top of the Pad using a standard torch until pad is liquified and the clear plastic is flashed off



Step 4 Immediately press devise on softened pad and allow cooling, to achieve maximum adhesion, requires only a few minutes

Distributor

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SealBoss® 4000 QuickSeal Epoxy Paste

RANGE OF APPLICATION

- Structural bonding of concrete, masonry, metals, wood, etc.
- Grouting bolts, dowels, pins, vertical and overhead, for extremely rapid setting, fast turn around times
- Seals cracks and around injection ports prior to pressure-injection grouting
- Interior, exterior, vertical and overhead repair of concrete as a super fast setting epoxy mortar binder.

ADVANTAGES

- Insensitive to moisture before, during and after cure
- High-modulus, high-strength, structural gel adhesive
- Excellent adhesion to concrete, masonry, metals, wood and most structural materials.
- Gel consistency ideal for vertical and overhead applications. Easy to mix 1: 1 ratio between components
- Extremely Fast Setting and high early strength-developing adhesive.

TYPE OF MATERIAL

SealBoss® 4000 QuickSeal-Epoxy Paste is a 100% solids, high modulus, non-sag, non-shrink two component epoxy adhesive that bonds to concrete and other surfaces.

It meets ASTM-C-881, Type I and IV, Grade 3 Classes B and C for Epoxy Resin Adhesives.

PROCESSING

To anchor bolts, dowels and pins

Annular space around bolt tested at 1/8 inch; depth of embedment is typically 10-15 times the bolt diameter. See cartridge for application instructions.

To seal cracks for injection grouting

Place the mixed material over the cracks to be pressure injected and around each injection port. Allow sufficient time to cure before pressure injecting.

As a structural adhesive

Apply the mixed 4000 QuickSeal-Epoxy Structural Gel Epoxy to the mating or non mating prepared substrates. Work into the substrate for positive adhesion. Secure the bonded unit firmly into place until the epoxy has cured.

Non-sag gel, no flow. Pot Life: Approx. 5-10 minutes. (100 gram mass)

Appearance: Compound A = White, Compound B = Grey.

Concrete Application Recommendations:

Surface Preparation:

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials.

Preparation Work:

Concrete: Sand blast or use other approved mechanical means.

Steel: Sandblast to white metal finish.

*Fast Cure Epoxy Paste
Cartridge System & Bulk
Structural Repairs, Surface Seal
& Anchoring, please see disclaimer*



Bulk Mixing: For bulk mixing pre-mix each component thoroughly. Proportion equal parts by volume of Component "A" and Component "B" through appropriate metered epoxy mixing equipment as recommended by the manufacture. Mix only the quantity that can be used within its pot life and do not allow mixed material to reside in static mixing head or mixer for more than five minutes or nozzle blockage may result.

MAINTENANCE OF EQUIPMENT

Cartridge Systems are disposable and some of the following recommendations may not apply.

Remove all excess product and any smears. Tools and mixing equipment must be cleaned immediately after use. R70 Pump Flush is good to your equipment and should always be used. For best results please follow our recommendations.

First Step is conditional - Omit if in conflict with regulations on the jobsite or the equipment you use: Flush first with a very small amount of solvent (not supplied by us) to cut remaining material. Caution: Xylol, Toluol, Acetone, M.E.K. are hazardous, combustible, aggressive towards the environment, equipment, seals and hoses. Immediately follow second step.

Second Step: Flush with R70 Pump Flush circulate cleaner through pump and hoses for several minutes at higher flow rates. R70 Pump Flush is a solvent free, non-flammable cleaner, lubricator and pump and hose conditioner. The product ships without any hazard label. We assume no responsibility for equipment damaged by use of material.

PRECAUTION

Protect your health! While working with this material, safety goggles, gloves and safety clothing must be worn at all times. While injecting, a full face shield is strongly recommended. Spills and blow-outs do happen! Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children! Observe container labels, MSDS, and instructions in the Product Catalog before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations.

SealBoss® 4000 QuickSeal Epoxy Paste

**Fast Cure Epoxy Paste
Cartridge System & Bulk
Structural Repairs, Surface Seal
& Anchoring, please see disclaimer**

Technical Data:

Color (A+B mixed)	Grey/Black
Viscosity (mixed)	Gel
Mix Ratio (by volume)	1:1
Pot Life 100 grams at 77°F	5-10 min
Tack Free Thin Film at 77°	1-2 hrs
Shrinkage ASTM C-883	Passes
Absorption 24 hours	0.12 %
Heat Deflection Temperature, ASTM D-648 129°F	
Bond Strength, ASTM C-882 14 days	3,250 psi
Compressive Strength, ASTM D-695 7 days	13,500 psi
Tensile Strength 73°F, ASTM D-638 14 days	5,450 psi
Flexural Strength, ASTM D-790	5,882 psi
Shear Strength, ASTM D-732	4,900 psi

Coverage

22oz. cartridge yields 39 cu. in. of epoxy gel adhesive. 46oz. cartridge yields 82 cu. in. of epoxy gel adhesive.
Shelf Life: 1 year in original unopened container.

Storage: Store indoors at temperatures between 40-95 F.

Packaging

Cartridges, 1 Gallon Units
2 Gallon Units 110 Gallon Units

Cartridge Capacity

	MINIMUM EMBEDMENT DEPTH	HOLES PER CARTRIDGE	
		22 oz.	46 oz.
3/8"	3-1/2"	107	223
1/2"	4-1/4"	59	122
5/8"	5"	41	85
3/4"	6-3/4"	25	52
7/8"	7-1/2"	19	39
1"	8-1/4"	15	31

Ultimate Load Capacity Using Rebar In 4000 Psi Concrete

REBAR SIZE	HOLE DIAM.	EMBED DEPTH	TOTAL LOADS (LBS)	
			TENSION	SHEAR
#4	5/8"	6"	14,730	19,200
#5	3/4"	6-3/4"	18,810	29,760
#6	7/8"	7-1/2"	27,640	42,240
#7	1-1/8"	8-1/4"	36,200	57,600
#8	1-1/4"	9"	64,000	75,840

Ultimate Load Capacity Using Threaded Rod In 4000 Psi Concrete

BOLT DIAM.	HOLE DIAM.	EMBED DEPTH	TOTAL LOADS (LBS)	
			TENSION	SHEAR
1/2"	5/8"	6"	22,000	25,680
5/8"	3/4"	6-3/4"	36,750	42,575
3/4"	7/8"	7-1/2"	51,780	56,450
7/8"	1"	8-1/4"	64,650	66,890
1"	1-1/8"	9"	88,950	71,450
1-1/8"	1-1/4"	10-1/2"	94,750	97,460
1-1/4"	1-3/8"	12"	98,650	102,520

Bolt-Up And Cure Schedule

TEMPERATURE (°F)	TEMPERATURE (°C)	BOLT UP TIME'S (HRS)	CURE TIME (HRS)
40-50	4-10	8	42
51-60	10-16	6	36
61-70	16-21	4	24
71-80	21-27	3	24
>80	>27	2	16

Important Disclaimer:

SealBoss Corp. specifically does not guarantee performance of product where **4000 QuickSeal-Epoxy** is used as an anchor or a structural adhesive. Uses of that kind require special testing. Epoxy products are subject to aging. Initial maximum strength may weaken over time. Further substrate temperatures, UV-exposure, etc. need to be considered.

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Revised 201012

SealBoss®

4500 F QuickSeal Epoxy Paste



Product Data Sheet

Applications / Characteristics

- Fast Cure - Non-Sag Formula
- Seals cracks and around injection ports prior to pressure-injection grouting
- High-modulus, high-strength, 1: 1 ratio
- ASTM C 881 Compliant
Types I, II, IV, V Grade 3, Class B & C

Product Description

SealBoss® 4500 F QuickSeal Epoxy Paste is a fast cure, 100% solids, high modulus, non-sag, non-shrink two component epoxy adhesives that bonds to concrete and other surfaces. SealBoss® 4500 F QuickSeal Epoxy Paste NSF meets or exceeds requirements of ASTM C 881 (Types I, II, IV, & V Grade 3, Class B & C)

Installation Guidelines

Always test a mixed product to insure that the material will harden properly before proceeding. For bulk applications:

To seal cracks for injection grouting

Place the mixed material over the cracks to be pressure injected and around each injection port. Allow sufficient time to cure before pressure injecting.

As a Bonding Adhesive:

Apply the mixed SealBoss® 4500 F QuickSeal Epoxy Paste to the prepared substrates. Work into the substrate for positive adhesion. Secure the bonded unit firmly into place until the epoxy has cured.

Sealboss® Corp. specifically declines any responsibilities, warranties, liabilities if used in load bearing applications.

Concrete Application Recommendations:

Surface Preparation:

Surface must be clean, dry and sound. Remove dust, grease, waxes, foreign particles and disintegrated materials.

Preparation Work:

Concrete: Sand blast or use other approved mechanical means.
Steel: Sandblast to white metal finish.

Bulk Mixing:

Pre-Mix each component separately. Mix 1 part A (resin) to 1 part B (hardener) for 3 minutes using a Jiffy Mixer. Mix at slow speed (less than 850 rpm) to avoid air entrapment. Remember, you will have less working time at higher temperatures. Mix only the quantity that can be used within its pot life and do not allow mixed material to reside in static mixing head or mixer for more than two minutes or nozzle blockage may result.

Never thin with solvents. Surface and ambient temperature must be 45°F (7°C) or above. For applications with constant high temperature (above 120°F, 49°C), contact SealBoss®. Material will soften at very high temperatures. Do not expose

Fast Cure High Strength Epoxy Paste

- SealBoss® Product-Pump-Packer System Solution
- Bulk & Cartridge System
- This Product is for Professional Use

stored product to cold temperature (below 40°F, 5°C) for any length of time.

Note: High temperature will accelerate the setting time. As a general rule, the gel time of the epoxy will be cut in half for each 10° to 15° increase in temperature above 75°F and the gel time will double for each 10° to 15° drop below 75°F (24°C). Minimum age of concrete must be 7 days and considered fully cured, depending on curing and drying conditions.

Maintenance of Equipment

Tools and equipment must be cleaned immediately after use. Remove all excess product. Cured product is hard to remove. **SealBoss® R70 Pump Flush** is a solvent free, non-flammable cleaner, lubricator, pump and hose conditioner. Please refer to the product data sheet for detailed information.

Health and Safety

Protect your health! Always use safety gear in compliance with OSHA and all applicable local and job-site regulations. While working with products. Wear appropriate safety goggles, gloves and safety clothing at all times. Store all materials and equipment safely and out of reach of children and animals! Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Forced local exhaust is recommended to effectively minimize exposure. Do not weld on, burn or torch epoxy material. Hazardous vapor is released when an epoxy is burned. Further protection: emergency showers and eyewash stations. If eye contact occurs flush with water for 15 minutes. Get immediate medical attention as needed.

SealBoss® 4500 F QuickSeal Epoxy Paste

SealBoss®

4500 F QuickSeal Epoxy Paste



Product Data Sheet

Technical Data:

Components

Weight per Gallon (mixed), lb	Resin, Hardener
Mix Ratio, pb volume (pbw)	11.9
Color	1:1 (1:1.4)
Consistency	Gray
Gel Time 100 grams at 75°F 28°C	Non-Sage Paste
	approx. 9 min.

Cured Product Characteristics

Hardness, Shore D	88	ASTM D2240
Compressive Strength, psi (MPa)	12,600 (87)	ASTM D 695
Compressive Modulus, psi (MPa)	356,900 (2460)	ASTM D 695
Tensile Strength, psi (MPa)	4,400 (30.5)	ASTM D 638
Elongation at Break, %	1	ASTM D 638
Bond Strength, psi (MPa) 2-day	2430 (17)	ASTM D 882
Bond Strength, psi (MPa) 14-day	2750 (19)	ASTM D 882
Heat Deflection Temp, °F (°C)	131°F (55°C)	ASTM D 648
Water Absorption, % (7-day)	0.2	ASTM D 570
Linear Shrinkage, %	<.005	ASTM D 2566

ASTM C 881 (Types I, II, IV, & V Grade 3, Class B & C)

Sealboss® Corp. specifically declines any responsibilities, warranties, liabilities if used in anchor / load bearing applications.

Coverage

22 oz cartridge yields 39 cu in. of epoxy gel adhesive.

Shelf Life: 1 year for cartridges, 2 years in original unopened containers stored indoors at temperatures between 40-95°F.

Packaging

22 oz Cartridge

1 Gallon Kit

Injection Guns, Dispensers

We supply a wide selection of injection guns for use with the Cartridge System. Systems are either manual, electric or pneumatic. Please see injection gun data sheets for more detailed information or call our technical support.

Butyl Glycidyl Ether

The EPA (SARA Title III, section 312) lists BGE as "Toxic" (per ANSI 2129.1) by skin absorption and an immediate health hazard.



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Revised 201705

SealBoss® 4500 F QuickSeal Epoxy Paste

4500 QuickSeal Epoxy Paste NSF



Applications / Characteristics

- Seals cracks and around injection ports prior to pressure-injection grouting
- Interior, exterior repair of concrete as a fast setting epoxy mortar binder
- High-modulus, high-strength, 1: 1 ratio
- Good adhesion to concrete, masonry, wood

Product Description

SealBoss® 4500 QuickSeal Epoxy Paste NSF is 100% solids, high modulus, non-sag, non-shrink two component epoxy adhesives that bonds to concrete and other surfaces. SealBoss® 4500 QuickSeal NSF meets ASTM C-881/ AASHTO M-235, Types I, II, IV, V Grade 3, Classes B, & C* (*Except minimum gel time due to faster set) for Epoxy Resin Adhesives. The product is for professional use.

Installation Guidelines

Always test a mixed product to insure that the material will harden properly before proceeding.

To seal cracks for injection grouting

Place the mixed material over the cracks to be pressure injected and around each injection port. Allow sufficient time to cure before pressure injecting.

As a bonding adhesive

Apply the mixed SealBoss® 4500 QuickSeal to the prepared substrates. Work into the substrate for positive adhesion. Secure the bonded unit firmly into place until the epoxy has cured.

Concrete Application Recommendations:

Surface Preparation:

Surface must be clean, dry and sound. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials.

Preparation Work:

Concrete: Sand blast or use other approved mechanical means. Steel: Sandblast to white metal finish.

Bulk Mixing: For bulk mixing pre-mix each component thoroughly. Proportion equal parts by volume of Component "A" and Component "B" through appropriate metered epoxy mixing equipment as recommended by the manufacture. Mix only the quantity that can be used within its pot life and do not allow mixed material to reside in static mixing head or mixer for more than five minutes or nozzle blockage may result.

NEVER thin with solvents. Surface and ambient temperature must be 45°F (7°C) or above. For applications with constant high temperature (above 120°F, 49°C), contact SealBoss. Material will soften at very high temperatures. Do not expose stored product to cold temperature (below 40°F, 5°C) for any length of time.

Fast Cure High Strength Epoxy Paste

- SealBoss® Product-Pump-Packer System Solution
- NSF/ANSI 61 Potable Water Contact Approved
- Bulk & Cartridge System
- This Product is for Professional Use

Note: High temperature will accelerate the setting time. As a general rule, the gel time of the epoxy will be cut in half for each 10° to 15° increase in temperature above 75°F and the gel time will double for each 10° to 15° drop below 75°F (24°C). Minimum age of concrete must be 7 days and considered fully cured, depending on curing and drying conditions.

Maintenance of Equipment

Tools and equipment must be cleaned immediately after use. Remove all excess product. Cured product is hard to remove. **SealBoss® R70 Pump Flush** is a solvent free, non-flammable cleaner, lubricator, pump and hose conditioner. Please refer to the product data sheet for detailed information.

Health and Safety

Protect your health! Always use safety gear in compliance with OSHA and all applicable local and job-site regulations. While working with products, wear appropriate safety goggles, gloves and safety clothing at all times. Store all materials and equipment safely and out of reach of children and animals! Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Forced local exhaust is recommended to effectively minimize exposure. Do not weld on, burn or torch epoxy material. Hazardous vapor is released when an epoxy is burned. Further protection: emergency showers and eyewash stations. If eye contact occurs flush with water for 15 minutes. Get immediate medical attention as needed.

4500 QuickSeal Epoxy Paste NSF



Technical Data:

Color (A+B mixed)
Viscosity (mixed)
Mix Ratio (by volume)
Gel Time
60 grams at 75°F 24°C

Initial Cure at 75°F 24°C

Shrinkage ASTM C-883
Compressive Strength ASTM D-695

Concrete Bond Strength ASTM C-882

Compressive Modulus ASTM D-695
Water Absorption ASTM D-570
Tensile Strength ASTM D-638 7 days
Linear Coefficient of Shrinkage D-2566

VOC content of 0 g/L
Compliant with US VOC regulations
EPA, OTC, LADCO, SCAQMD & CARB.

ASTM C-881/ AASHTO M-235, Types I, II, IV, V
Grade 3, Classes B & C*
*Except for minimum gel time due to fast set

Sealboss Corp. specifically declines any responsibilities,
warranties, liabilities if used in load bearing applications.

Coverage

22oz. cartridge yields 39 cu. in.
46oz. cartridge yields 82 cu. in.
Shelf Life:

Packaging

Cartridges
Gallon Units

Grey
Gel
1:1

6-9 min

approx. 2 hrs

Passes
4,000 psi (28 MPa) at 24 hours
6,300 psi (43 MPa) at 48 hours
8,300 psi (57 MPa) at 72 hours
11,200 psi (77 MPa) at 7 days
2,200 psi (15.2 MPa) at 2 days
3,400 psi (23.4 MPa) at 14 days
316,100 psi, (2,180 MPa)
0.35%
8,000 psi (55 MPa)
0.002

1 year for cartridges, 2 years in original
unopened containers stored indoors at temperatures
between 40-95 F.



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Revised 201601

SealBoss® 6500 QuickFix

TECHNICAL DATA

PHYSICAL PROPERTIES:

Color (A+B)		Charcoal Gray, Black, or other
Viscosity (mixed)		Self Leveling
Mix Ratio (by volume)		1:1
Pot Life 100 grms at 77F		1-2 min
Tack Free, Thin Film at 77F		5-8 min
Initial Cure		15 min
Final Cure		60 min
% of Elongation	ASTM D-412	180-200
Service Movement		± 20%
Tensile Strength, psi	ASTM D-412	900-1000
Bond Strength, fully cured		
clean concrete, psi	ASTM C-882	500
Shore "A" Hardness	ASTM D-2240	80-88A
Toxicity		Essentially Non-Toxic in Cured Form
Resistance to Chemicals		Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms

PACKAGING:

1:1 ratio by volume units:	22/44/56 oz. Cartridges,	2 gal. Units,	10 gal. Units
22oz. cartridge yields 39 cu. in.			
Shelf Life:	1 year in original unopened container.		
Storage Conditions:	Store at 55F-95 F.		
Disposal:	Empty containers must be drip free.		

Chemical Resistance:

Test Procedure; ASTM D-1308 @72°F

R=Recommend

RC=Recommend Conditional =some swelling or discoloration

N=Not Recommend

1=Some discoloration only

Chemical	Result
Acetic Acid 10 %	R
Acetone	RC
Battery Acid (Sulfuric Acid)	RC
Brake fluid	R
Chlorine (2,000ppm in H ₂ O)	R
Citric Acid	R
Gasoline	R
Hydraulic Oil	R-1
Methanol (5%) Gasoline	RC
Motor Oil	R-1
Toluene	RC
Vinegar	R
Water	R
Xylene	R

Two Component Flexible
Polyurea Joint Repair System
Fast Concrete Joint Repairs
Cartridge System and in Pails



Application Guns

We supply pneumatic, electric & hand operated application guns.

Material Consumption

Filling joint slots in given dimensions.
Feet achieved with 22 oz. Cartridge

Width (in.)	1/4"	1/2"	3/4"	1"	1-1/4"	1-1/2"
1/4"	52.9					
1/2"	26.5	13.2				
3/4"	17.6	8.8	5.9			
1"	13.2	6.6	4.4	3.3		
1-1/4"	10.6	5.3	3.5	2.6	2.1	
1-1/2"	8.8	4.4	2.9	2.2	1.8	1.5
1-3/4"	7.6	3.8	2.5	1.9	1.5	1.2
2"	6.6	3.3	2.2	1.6	1.3	1.1
2-1/2"	5.3	2.6	1.8	1.3	1.1	.87
3"	4.4	2.2	1.5	1.1	.87	.73

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Revised 201012

SealBoss® Corp. 1669 E Wilshire Ave, Santa Ana, CA 92705

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SealBoss.com
concrete solutions online

SealBoss®

6500 QuickFix Polyurea



Product Data Sheet
Heavy Duty Polyurea Joint Filler

Technical Data

PHYSICAL PROPERTIES:

Color (A+B)
Viscosity (mixed)
Mix Ratio (by volume)
Pot Life 0.1 kg at 25°C / 77°F
Tack Free, Thin Film at 25°C / 77°F
Initial Cure at 25°C / 77°F
Final Cure at 25°C / 77°F
% of Elongation
Service Movement
Tensile Strength, psi
Bond Strength, fully cured
clean concrete, psi
Shore "A" Hardness
Resistance to Chemicals
Color Pack (Optional):
ISO Side:
PACKAGING:
1:1 ratio by volume units:
Shelf Life, Storage Conditions:
Disposal:

Charcoal Grey, Black, or Other

Self Leveling

1:1

30-60 sec standard

5-8 min

15 min

60 min

180-200

ASTM D-412

± 20%

900-1000

ASTM D-412

500

ASTM C-882

75-85A

ASTM D-2240

Resistant to Most Organic Solvents, Mild Acids, Alkali & Microorganisms

Add Color Pack to Component B

Component A is ISO-Side of the product

1 & 5 Gallon Units, Drums

22 oz cartridges (yields 39 cu in.)

1 year in original unopened container. Store at 55-95°F.

In accordance with all applicable laws and regulations. Empty containers must be drip free

Chemical Resistance:

Test Procedure: ASTM D-1308 at 72°F

R=Recommend RC=Conditional,
some swelling or discoloration

N=Not Recommend

1=Some discoloration only

Acetic Acid 10 % R, Acetone C

Battery Acid (Sulfuric Acid) C

Brake fluid R, Chlorine (2,000ppm in H2O)R

Citric Acid R, Gasoline R

Hydraulic Oil R-1, Methanol (5%) Gasoline C

Motor Oil R-1, Toluene C, Vinegar R

Water R

Health and Safety

Protect your health! Always use safety gear in compliance with OSHA and all applicable local and job-site regulations. While working with products, handling of this product may result in spills, splashes, and airborne substances. Wear appropriate safety goggles, gloves and safety clothing at all times. Consider property in proximity of the application to prevent loss or damage. Protect jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals! Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations. Get immediate medical attention as needed.

Approximate Coverage Chart

Joint Size (US)	LF/Gal.	Joint Size (Metric)	M/Gal
1/8" x 11/2"	100	3 x 38	30
1/8" x 13/4"	85	3 x 44	26
1/8" x 2"	75	3 x 50	23
3/16" x 3/4"	135	5 x 19	41
3/16" x 1"	100	5 x 25	30
3/16" x 1 1/4"	85	5 x 31	26
3/16" x 1 1/2"	70	5 x 38	21
3/16" x 1 3/4"	60	5 x 44	18
3/16" x 2"	50	5 x 50	15
1/4" x 1"	80	6 x 25	24
1/4" x 1 1/4"	60	6 x 31	18
1/4" x 1 1/2"	50	6 x 44	14
1/4" x 1 3/4"	45	6 x 50	12
1/4" x 2"	40	9 x 25	15

Cartridge Material Consumption

Filling joint slots in given dimensions.

Feet per 22 oz. Cartridge

Width	1/4"	1/2"	3/4"	1"	1-1/4"	1-1/2"
Depth						
1/4"	52.9					
1/2"	26.5	13.2				
3/4"	17.6	8.8	5.9			
1"	13.2	6.6	4.4	3.3		
1-1/4"	10.6	5.3	3.5	2.6	2.1	
1-1/2"	8.8	4.4	2.9	2.2	1.8	1.5
1-3/4"	7.6	3.8	2.5	1.9	1.5	1.2
2"	6.6	3.3	2.2	1.6	1.3	1.1
2-1/2"	5.3	2.6	1.8	1.3	1.1	.87
3"	4.4	2.2	1.5	1.1	.87	.73



SealBoss® 6500 QuickFix

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Revised 202009

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intl. 1-714-662-4445



Manufacturer of Reflective and Non-Reflective Pavement Markers

- Reflective Pavement Markers
- Reflective & Non-Reflective Ceramic Pavement Markers
- Non-Reflective Plastic Pavement Markers
- Temporary Chip Seal/Overlay Pavement Markers
- Solar Pavement Markers
- Marker Adhesive Material
- Glass Spheres



Type: 932
2-Y Two-Way Yellow



Type: 932
1-W One-Way White



Type: 932
2-Y Two-Way Yellow
Double Cover



Type: 932
1-W One-Way White
Double Cover

Chip Seal / Overlay Temporary Markers Model 932

The polyurethane body of Apex Temporary Markers have great bending memory. The retroreflective tape is protected from oil and dirt by a clear plastic cover. Excellent for Chip Seal, Slurry Seal, or Temporary Delineation. Apex Chip Seal Markers have a minimum reflectance of 1800 Candle Power per foot-candle per Sq. Ft. and 0.10° observation and 0° entrance angle.

REFLECTIVE TAPE

Reflective tape shall be affixed along the top of the vertical section of the marker body on one or both sides. Reflective tape shall be .250" wide by 4.0" long metalized polycarbonate microprism retroreflective material with acrylic backing or equal, providing the following minimum optical performance with an observation angle of 0.2 deg, measured in candle power.

Entrance Angle	Specific Intensity
White 0°	3.5
White 30°	2.7
Amber 0°	3.0
Amber 30°	1.7

ADHESIVE

The factory applied adhesive to the marker base for bonding the marker on the pavement is a solid butyl rubber 1/8" thick, 3/4" wide on 1" wide release paper.

Markers available with no plastic cover, a single plastic cover with a single staple , or two plastic covers with three staples.

Distributor

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PREMIUM GLASS BEADS

REFRACTIVE INDEX

The Beads have a refractive index of 1.5 when tested by the oil immersion method

MOISTURE CONTENT

Does not exceed 0.01%

SPECIFIC GRAVITY

Beads shall have a specific gravity between 2.40 & 2.60 @ 25° C
Per ASTM D-153 Method A

CHEMICAL STABILITY

Refluxing of a 50g sample of beads in a Soxhlet extraction apparatus for 8 hrs. with distilled water shall not produce more than a very slight reduction in luster or reflecting power of the beads

FLOW

Beads shall be free flowing. A 23kg sample of beads, when emptied into service box screen Having sieve openings of 1.18mm (US Standard Sieve#16) shall pass completely through the Screen without shaking or any excessive hand manipulation.

GRADATION

Catrans Specifications for Type II (8010-004 Dated Dec.22, 2009)

Sieve Opening	US Standard Sieve	% by Weight Passing
600 um	#30	100
250 um	#60	40-70
180 um	#80	15-35
106 um	#140	0-0.5

AASHTO Designation M247-13

Sieve Opening	US Standard Sieve	% by Weight Passing
1180 um	#16	100
850 um	#20	95-100
600 um	#30	75-95
425 um	#40	-
300 um	#50	15-35
180 um	#80	-
150 um	#100	0-5

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Manufacturer of Reflective and Non-Reflective Pavement Markers

- Reflective Pavement Markers
- Reflective & Non-Reflective Ceramic Pavement Markers
- Non-Reflective Plastic Pavement Markers
- Temporary Chip Seal/Overlay Pavement Markers
- Solar Pavement Markers
- Marker Adhesive Material
- Glass Spheres



4" Round
Yellow / White



6" Round Channel
Yellow / White



8" Round Channel
Yellow / White



4" Oblong
White



6" Jiggle Bar
Yellow / White

Apex Non-Reflective Ceramic Marker

Ceramic non reflective pavement marker glazed finish protects against weathering especially during rain, excellent day time visibility, available in high visibility white or yellow. A texture bottom helps them in place with epoxy. Ceramic non-reflective pavement markers Type A and Type AY consist of a heat-fired vitreous, ceramic base and a heat-fired opaque, glazed surface to produce the properties required in STANDARD SPECIFICATION JULY 2003, DOT, State of California.

Distributor

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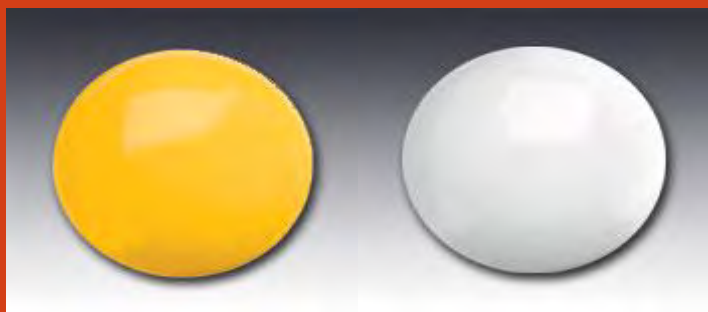
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NON-REFLECTIVE PLASTIC PAVEMENT MARKER

The 4" Non- Reflective Plastic Pavement Marker Conforms to the Following

Plastic Non-reflective pavement markers Types A & AY shall be, at the option of the Contractor, either Polypropylene or Acrylonitrile-Butadiene-Styrene (ABS) Plastic type.

Polypropylene non-reflective pavement markers shall consist of Polyester Resin Binder, inert organic filler material and colorant pigments and shall conform to The Provisions in California Standard Specifications 2010 Section 85-1.02B, "Non-reflective Pavement Markers."

ABS non-reflective pavement markers shall consist of ABS plastic conforming to the Requirements in ASTM Designation: D 4673, Designation ABS 1-2-2, and shall Conform to the provisions in California Standards Specifications 2010, Section 85-1.02B. The bottom of the ABS plastic pavement markers shall have areas of Integrally formed protrusions projecting from the surface to increase the Effective Bonding surface area & produce a structural bond with the pavement.

TEST	PROPERTIES	REQUIREMENTS
D	Luminance Factor, Type A White markers only, Glazed Surface	75 Min.
E	Yellowness index, Type A, White markers only, Glazed Surface	7 Max.
F	Color-yellow, Type AY, Yellow markers only, The chromaticity coordinates must be within a color box defined by California Test 669	Pass
G	Compressive Strength	1500 lb. Min.
I	Artificial weathering, 500 hrs. exposure, yellowness index	20 Max.

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Manufacturer of Reflective and Non-Reflective Pavement Markers

- Reflective Pavement Markers
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- Solar Pavement Markers
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- Glass Spheres



**4" Round
Two-Way Yellow**



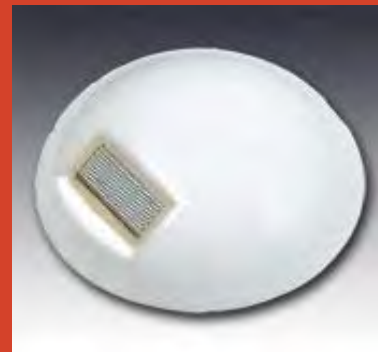
**4" Round
One-Way White**



**6" Jiggle Bar
One-Way White**



**6" or 8" Round
Two-Way Yellow**



**6" or 8" Round
One-Way White**

Apex Retroreflective Ceramic Markers

The Apex Retroreflective Ceramic Markers combine the Power of Brilliant Night-time Visibility with Self-cleaning Glazed Surface for Exceptional Daylight Visibility.

Distributor

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Manufacturer of Reflective and Non-Reflective Pavement Markers

- Reflective Pavement Markers
- Reflective & Non-Reflective Ceramic Pavement Markers
- Non-Reflective Plastic Pavement Markers
- Temporary Chip Seal/Overlay Pavement Markers
- Solar Pavement Markers
- Marker Adhesive Material
- Glass Spheres



**Prismatic Retroreflective Pavement /Abrasion Resistant Marker
Model 921/921AR Glassed Faced**

The Apex Prismatic Marker is made of a durable ABS Plastic Shell filled with an Inert Thermosetting Compound. The shell contains 1 or 2 glass covered Prismatic Retroreflective Faces as required to reflect light from single or opposite direction.

Overall Dimensions 3.89" x 4.15" x 0.76"
Slope of Reflecting Face 32° to Base
Area of each Reflecting Face 3.25 Sq./in

Distributor

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Maintenance-free Bollard Protection!

**Great Looking
Protection
at Low Cost**



"We've cut maintenance costs and reduced customer complaints from dinged car doors."

John Nelson
Beaumont Hospitals



Attractive Decorative
Covers add a nice
touch to landscaping.

A: Covers 6.625" OD
- up to 48" H

B: Covers 8.625" OD
- up to 72" H

C: Covers 4.5" OD
- up to 45" H

Choice of Styles

Flat Top, Dome Top, Square
and Decorative Covers

Quick Payback

Save scraping and painting

High Quality Plastic

Designed for all weather conditions

Fade Resistant

6 year guarantee – longest in the
industry!

Improves

Property Appearance

At a very low price!

Installs Easily

Slides over existing post

Recessed

Reflective Striping

Increase visibility and safety

Wide Selection of Sizes

Many diameters and lengths

Colorful Choices



Maintenance-free Bollard Protection!

Post Guard cover sizes:

- 4.5" Dia. x 52"
- 4.5" Dia. x 64"
- 7" Dia. x 60"
- 7" Dia. x 72"
- 8-7/8" Dia. x 72"
- 10-7/8" Dia. x 60"
- 12-3/4" Dia. x 60"

Square:

- 4.5" x 4.5" x 55"
- 6.5" x 6.5" x 55"

Easily trimmed on-site.
Custom lengths available.



Why Paint?

Colorful Post Guard covers can easily fit most bollards.



Every Post Guard cover is packaged with two foam strips.

Unique adhesive-free installation tightly secures Post Guard covers in all weather conditions!



It easily slides over the post for a snug and secure fit.

Post Guard covers look good!



Height Guard Clearance Bars



Light Pole Guards



Bolt Down Bollards



Parking Curbs



Removeable Bollards

Distributor

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CRACK-STIX®

CSX™ 900 PRO-MELT TORCH



For Use With

CRACK-STIX

DIRECT HEAT "Rubberized" Crack & Joint Sealant

KEY PRODUCT FEATURES

**Operates Continuously for
over an Hour on a 14.1oz
Cylinder**

**Machined Brass Fuel Valve
for Precision Gas Flow
Control**

**Rugged Torch Design with
Soft Comfort Grip**

**Ergonomically Balances with
a Fuel Cylinder Attached**

- **Custom
Torch
Tip**
- **Trigger
Start**

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CRACK-RITE™

CRACK-STIX®

CSX™ 1000 PRO-MELT TORCH



**FOR USE
WITH**

CRACK-STIX®

DIRECT HEAT "RUBBERIZED" CRACK & JOINT SEALANT

KEY PRODUCT FEATURES

Rugged Torch Design • Custom Soft Comfort Torch Grip • Trigger Start • Steel Construction w / Steel Guide Wheel • Machined Brass Fuel Valve for precision Gas Flow Control • Burns Propane or Mapp gas (Use w / 20 lb. or 30 lb. tank) • Walk Behind Application • 20 ft Hose and Regulator • Ergonomically Balances with Fuel Cylinder attached

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PAVEMENT TOOL MANUFACTURING, INC.

STENCIL INFORMATION

There are many grades of plastic in our industry. Our stock stencils are produced from the best grade of polyethylene plastic you can use for a stencil. Other products not manufactured with this superior grade of polyethylene plastic will not give you the same lasting service as ours. Polyethylene plastic is made for easy maintenance. The non porous, slick surface allows the dried paint build up to simply flake off after drying when properly taken care of. Stencils are best stored flat and in moderate temperature when not in use. * All of our stencils are designed around D.O.T. specifications whenever applicable

PAVEMENT TOOL PLASTIC STENCIL MATERIAL



Our 2 Types of Plastic are : D/M DUROLAST 1/16" (.060") Thick
D/M MAXILAST 1/8" (.125") Thick



S-0001 D/M

4' x 8' LDPE Plastic sheet



S-0002 D/M

4' x 10' LDPE Plastic sheet

*We also have the ability to produce stencils in ALUMINUM .063

SYMBOLS AND KITS

S-1010 D/M Standard Stencil Kit
(Includes one each of the following)

21½"- Handicap Symbol	4"- "No Parking"
42"- Standard Arrow kit (2 pc)	4"- "Fire Lane"
12"- "No Parking"	4"- "Visitors"
12"- "Fire Lane"	4"- "Reserved"
12"- Standard Number Kit	

S-1020 D/M Large Stencil Kit
(Includes one each of the following)

39"- Handicap Symbol	4"- "No Parking"
90"- Large Arrow Kit (3 Pc)	4"- "Fire Lane"
24"- "No Parking"	4"- "Visitors"
24"- "Fire Lane"	4"- "Reserved"
12"- Standard Number Kit	

Distributor

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PAVEMENT TOOL
MANUFACTURING, INC.

SYMBOLS AND KITS



D/M Handicap Symbol



D/M Handicap DOT Kit – 2 pc
S-3030

S-3039 - 39" H x 34" W x 4" Bar S-3048 - 48" H x 43½" W x 3" Bar*

S-3015 - 15½" H x 13¾" W S-3148 - 48" H x 41¼" W x 4" Bar**

S-3021 - 21 ½" H x 19" W S-3072 - 72" H x 63" W x 5" Bar- (2 pc)

*CA DOT Specs ** TX DOT Specs (All Others are DOT Specs)

(1) 30" w/outside border - 42" sq. x 3" wide bar

(1) Blue Background Stencil



D/M Straight Arrow Kit-2 pc
S-4042

(1) Straight, (1) Curved,
42" OAL, 9" Wide Tail
20" Wide Head



D/M Straight Arrow
S-4060

60" OAL,
36" Wide Head
12" Wide Tail



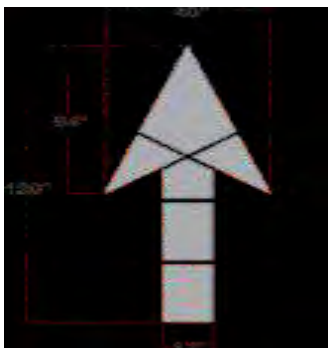
D/M Curved Tail
S-4065

12" Wide Tail
Fits S-4060

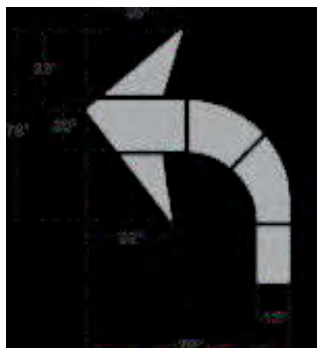


D/M Large Arrow Kit-3 pc
S-4090

(1) Head- 42" H x 36" W
(1) Straight Tail- 42" x 12"
(1) Curved Tail- 42" x 24"



D/M Straight Arrow Kit- 2 pc
Highway / Intersection
10' OAL
DOT Specs
Details vary per State



D/M Curved Arrow Kit- 2 pc
Highway / Intersection
8' 4" OAL
TX DOT Specs
Details vary per State



D/M Arrow Combo Kit- 3 pc
Highway / Intersection
13' 4" OAL
TX DOT Specs
Details vary per State



TITAN[®] SPEEDFLO[®]

POWERLINER[™] SERIES

850



DirectLink[™]
Pressure Control

Folding Handle
Transport & Store Easily

37.7cc 4-Stroke Engine

Carries 5 Gal. Paint Pail
Not Included

No Flat Tires
Specially formulated for a smooth Ride

Reversible Gun Mount
To Stripe off either Front or Rear Tire

Straight Lock or Free Wheel
Front Coaster

LX-40 Spray Gun
Removable LX-40 Spray gun with in handle
filter and SC-6" reversible spraying tip

Recommended for Light Periodic-Duty on Small Parking Lots and Athletic Fields

The Powerliner 850 is Designed for entry level Contractors and Maintenance Personnel who need a Basic Line Striper capable of High-Spraying pressures for small jobs on pavement, grass or turf. DirectLink[™] pressure control allows the user to Stencil and Paint with Airless Technology at pressures from 200 psi to 3000 psi.

PowerLiner 850 Specifications

Max Delivery	.33 gpm	Engine, Gas	37.7 cc
Max Operating Pressure	3000 psi	Weight (Empty)	70 lbs.
Max Tip Size (1 Gun)	0.021"	Part Number	029005

Distributor

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TITAN®

Glass Bead Dispensers



Why Titan Glass Bead Dispensers?

Titan Tool incorporated glass bead dispensing systems are designed to deposit retro-reflective glass beads on traffic paint lines. These systems are complete with 50 lb. capacity hopper that accepts a full bag of beads, a single or dual dispenser with all hoses, fittings and hardware required for operation. The dispenser is mounted directly behind the spray gun.

These Systems are Gravity Flow Units. No Air or Auxiliary Power is required for Operation

When the gun is actuated, the bead dispenser door opens simultaneously with the gun. A shower of beads the width of the dispenser is then deposited onto the wet paint line. The amount of beads dispensed is easily adjustable using only a screw driver (6 lbs. of beads per gal. is a good rule of thumb). These dispensing systems are available in combination 4" and 6" widths as well as 12" widths. The various widths are interchangeable. Single Gun kits are standard with optional second gun kits available.

Kits come complete with hopper dispensers hoses and all mounting hardware required for operation (Tools not included)

Quick connect swivel fittings linkage provide ease of installation and removal when painting lines where beads are not needed

6" Bead Dispensers & Kits

Bead Dispenser Kit 6" Single 424-826
Bead Dispenser Kit 6" Dual 424-836
Second Gun Kit 6" 424-816
Bead Dispenser only 6" BD-600G

Pre-Drilled and Tapped holes in frame make mounting the bead hopper very easy. Durable powder coated hopper and mounting brackets

Flow of beads is controlled by adjusting the slide plate opening behind door. Dual plates allow selecting 4" or 6" widths

12" Bead Dispensers & Kits

Bead Dispenser Kit 12" Single 424-840
Second Gun Kit 12" 424-841
Bead Dispenser Only 12" BD-1200G

Distributor

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BAG STRAINERS

Remove dried flakes, lumps, filaments
and other dust particles from all types of
paints, stains and liquids.

5 gal.

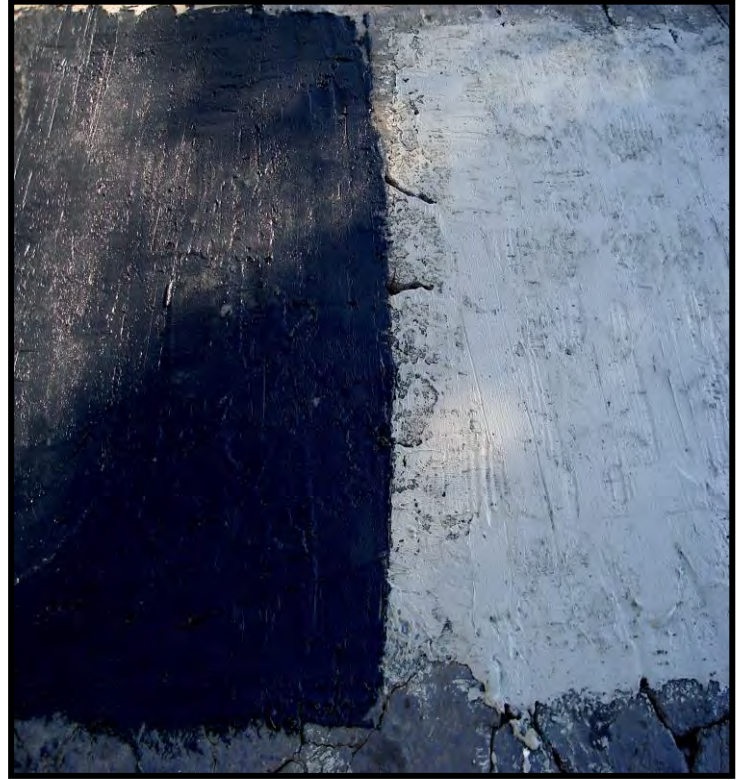
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BREWER COTE® *Of Arizona*



STEEL-CRETE MODIFIED CERAMIC CEMENT

Steel-Crete is a light weight high compression strength all-purpose repair compound with excellent bonding properties when applied correctly. Steel-Crete can be applied smooth or can be stiffened for texture and vertical applications. Steel-Crete dries to a firm and durable surface in many cases stronger than the original sub-straight.

Steel-Crete can be floated over badly damaged asphalt to greatly extend the life of the surface at a fraction of the cost of applying new asphalt. Can also be used to patch cracks and holes in stucco, poured concrete, masonry block, tile pavers, cinder block, mortar wash and many other substrates. Makes an excellent light weight low spot repair on flat roofs prior to applying roof coatings and is very water resistant.



APPLICATION:

Estimate pounds needed for project. Steel-Crete is a single component material requiring only the addition of water. Using a clean pail or mixing container blend 5 parts Steel-Crete with 1-part clean water adding the water to the container first. Mix at low to moderate speed until creamy and reasonable stiff as if it were whipped butter. Using a trowel, putty knife, or straight edge, float over the damaged surface of crack until depressions are filled completely. When repairing asphalt pavement several applications should be used to build surfaces up 1/4 to 3/8 inch. Remove any excess and clean up with water as soon as possible.

CHARACTERISTICS:

7 Day Cure 1420 PSI

14 Day Cure 2180 PSI

28 Day Cure 2280 PSI

PH 9.0

Particle size 300 microns

Steel-Crete does not contain calcium chloride

COVERAGE:

Spread rate: 120 to 150 sq. ft. per pail (30 lbs.) at 3/16 of 1" thick.

4.5 sq. ft. per pound @ 3/16" thick.

1.7 sq. ft. per pound @ 1/2" thick.

DRYING TIME:

Surface dry's in 30 min. Avoid traffic for 3 hours, test for traffic-ability before opening. Dry time @ 70° F approximately 3 hours. Recoat in 24 hours where appropriate.

CURING:

Be careful not to allow wind or very hot concrete to draw excess water of the product or strengths can be compromised. Steel-Crete will be hard enough to walk on within 24 hours with strength maximizing in 30 to 60 days.

WEATHER CONDITIONS:

Closely examine surfaces to be repaired removing loose and deteriorated particles. Clean surfaces of bond inhibiting materials including but not limited to oil, dust, dirt, laitance and standing water for best adhesion. Do not proceed with application until unsatisfactory conditions are corrected. Steel-Crete should not be applied where surface temperatures are below 40°F (5°C) when there is a possibility of temperatures falling below freezing. Cool temperatures and high humidity will retard the curing time. Take caution not to apply if weather conditions do not allow for a complete cure before rain, dew, or freezing temperatures.

COLOR:

Gray, Black pigmented.

CLEAN UP:

Water until dry, scrape tools after dry.

PACKING:

5 gal. Pails, (30 lbs)

Paper Bags, (40 lbs)

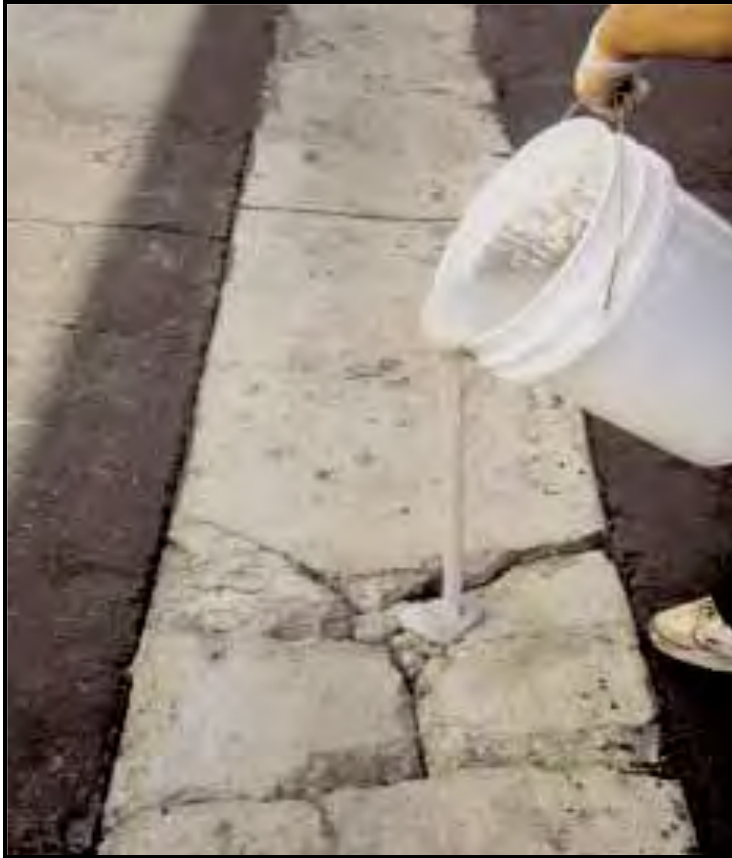
SAFETY:

Avoid breathing dust and getting in eyes. Where dust conditions exist that exceed nuisance dust levels set by OSHA use an approved dust mask and eye goggles. Continuous handling of Steel-Crete may result in dry skin, use a lanolin base hand cream to restore moisture where needed.

BREWER COTE OF ARIZONA THE PAVEMENT MAINTENANCE SPECIALISTS

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FlexSet™ Elastic Concrete

Roklin Systems ® FlexSet combines polymers with a specially-treated aggregate to create a rapid setting, easy-to-apply, long-lasting and durable concrete repair. Repairs can be done in minutes, using only 4 simple steps. Originally, developed for the U.S. Air Force as a rapid runway repair material, FlexSet has become an inexpensive alternative to traditional concrete restoration procedures. This innovative, patent pending process provides a modern solution to an age-old problem. FlexSet repairs are guaranteed to perform.

FlexSet cures to a flexible composition that supports heavy loading yet can tolerate shock, vibration and thermal movement to withstand heavy truck volume as encountered on Interstate Highways and Bridges

Distributor

BREWER COTE OF ARIZONA INC ® 'THE PAVEMENT MAINTENANCE SPECIALISTS'
5226 W. MISSOURI AVENUE, GLENDALE, ARIZONA 85301

FlexSet™ Elastic Concrete

FlexSet Elastic Concrete is a flexible concrete comprised of elastic cement and coated silica quartz mix.

FlexSet Elastic Concrete is supplied in 5 gal pails comprised of: 43 lbs. Polymer Coated Silica Quartz, 1/2 gal of Elastic Cement A, 1/2 gal of Elastic Cement B, and 10 lbs. of Polymer Coated Topping Sand.

Packaging & Coverage: Each 5 gal container of FlexSet Elastic Cement will fill .4 cubic feet (691 cubic inches).

125 lbs of Elastic Concrete will fill one cubic foot. The coverage rate is:

Thickness	Coverage / Sq. Ft	Thickness	Coverage / Sq. Ft
1/8"	38.4	5/8"	7.7
1/4"	19.2	3/4"	6.4
3/8"	12.8	7/8"	5.5
1/2"	9.6	1"	4.8

Safety: FlexSet Elastic Concrete is not a significant skin or eye irritant Nevertheless, Skin or eye contact may lead to sensitization. Appropriate protection is necessary. Gloves and safety glasses are required for handling FlexSet. Wash hands before eating, drinking, and smoking after handling material.

Surface Preparation: Remove loose & unsound material. Sand Blast or shot blast contaminated surfaces. Clean & blow out cracks with dry compressed air. Dry wet surfaces. Moist surfaces create a weak bond and foaming.

Caution: Use opened containers right away to avoid moisture contamination.

Mixing: Add 1/2 gal of "A" to coated sand mix. Mix thoroughly with heavy duty mixer (about 2 minutes). Next, add 1/2 gal of "B" and mix thoroughly (1 min). Blend is pourable, working time is approximately 15 min at 75°.

Installation : Squeegee, spread, gauge-rake or trowel. Broadcast surface with topping sand. For deep repairs, FlexSet can be placed in lifts topping each lift with aggregate. Install at temperatures between - 25° C to 40° C (- 14° F to 104° F).

Cure: Cure for 1 hour minimum at 75° F before subjecting to traffic. Cold temperatures slow cure. At 55° F, 4 hr. cure is needed for open traffic. Cold weather cure is accelerated by maintaining repair kits warm prior to application.

Shelf Life: FlexSet Elastic Concrete shelf life is 1 year when stored indoors, unopened under cool & dry conditions. Avoid wet storage conditions. Dispose empty containers in accordance with all local , state, and federal regulations.

First Aid: If Inhaled, remove to fresh air, if not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen and call physician. **Skin Contact:** Wash skin with soap and water. Remove contaminated clothing. **Eye Contact:** Flush with water for at least 15 min and call physician.

Spill or Leakage: In case of a liquid spill of unmixed materials A & B absorb spilled material with sawdust or other absorbent Sweep into container and neutralize with decontamination solution (95% water, 5% ammonia & 2% detergent). Store open containers outdoors for at least 24 hrs. Dispose of neutralized waste in accordance with local, state and federal government environmental regulations.



Table 1 TX DMS – 6170 Type I Physical Requirements

TEST	AGE	METHOD	REQUIREMENT	RESULTS
Gel Time, min		TEX 614 J	5 to 60 min	9 mln
Wet Bond Strength psi	7 days	TEX 618 J	≥100 psi	176 psi
Compressive Strength psi	24 hr	ASTM C579 B	≥200 psi	1710 psi
Compressive Strength psi	7 days	ASTM C579 B		1820 psi
Compressive Strength psi	28 days	ASTM C579 B		2140 psi
Compressive Stress @.1 in	7 days	TEX 618 J	≥200 psi	733 psi
Resilience %	7 days	TEX 618 J	≥90 %	97.2 %*
Resilience %	7 days	TEX 618 J	≥90 %	82.0 %
Thermal Compatibility	7 days	ASTM C884	No delamination or cracking after 9 cycles	pass

*From an Earlier Batch

Physical / Chemical Characteristics

Boiling Point	428° F, 536° F
Melting Point	N/A
Vapor Pressure (mm Hg.)	N/E
Vapor Density (AIR=1)	9.9
Specific Gravity (H2O=1)	1.084, 0.942-.948
Evaporation Rate (Butyl Acetate=1)	N/E
Solubility in Water	Insoluble, reacts with water to form carbon dioxide gas
Appearance / Odor	Pale Amber, Odorless Liquid
Reactivity	Stable, under normal, recommended storage conditions
Conditions to Avoid	Open Flame and Storage Temperatures above 120° F

CONCRETE WELDER



CONCRETE WELDER is a very thin, rapidly setting, amber-colored polymer for concrete-slab stabilization and thin concrete crack repair.

When combined with aggregates, Concrete Welder can restore structure where absent in 2nd and 3rd stage cracked slabs very cost effectively, and in a fraction of the time of normal demolition and removal of an existing broken slab. Concrete Welder is packaged in 21-oz. cartridges for hand application or a 10-gallon kit, 30-gallon kit, or 100-gallon kit for machine application.

CONCRETE WELDER 10-MINUTE REPAIR KIT provides a quick and simple repair product for concrete cracks and minor damage. The liquid penetrates into small cracks where water would go. It forms a high-strength bond that sets up quickly to form a waterproof seal, preventing further damage. In minutes cracks are repaired, preventing larger and more costly repairs in the future.

ROKLIN CONCRETE SLAB STABILIZATION TECHNIQUE

Roklin Systems Inc.'s method of restoring structure to compromised slabs uses a fraction of the time of conventional repairs at a fraction of the cost of full-depth replacement. With minimal or no prep required, using rapid-setting polymers and polymer-coated aggregate, slabs can be restored and returned to traffic in as little as one hour. The process, known as "Concrete Welding" can extend the life of the slab by as much as five years, subject to the existing conditions, the type of loads and ADT (Average Daily Traffic), as shown here on the Northbound Interstate 5 through Valencia, California.



Flip switch to the "start" position and turn speed dial to "10." Check the ratio on both "A" and "B" polymer by putting a small amount into a cup. Watch to make sure both sides flow evenly.



Allow cup to sit for approximately 3 minutes and ensure that material has hardened.



Clean the area, making sure there is no debris, moisture or dust. Sweep or use a small hand-blower. There is no need to remove broken concrete that is larger than 1/4 inch.



Stabilize rocking slab by injecting Concrete Welder into the joint until the slab is stabilized. (If not stabilized, the slab will be rocked by vehicles passing in adjacent lane.) Do not overfill.



Flood with Concrete Welder.



Cover with sand.

Distributor

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5226 West Missouri Avenue, Glendale Arizona 85301

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These pictures are of Projects that were done on I-17, Loop 202 and Loop 101 and now the Broadway Curve up-grades. Brewer Cote is Pleased to be involved with these ADOT Projects

- Two-Component Urethane Rapid Setting Patch Material
- Hand Mix or Bulk Applicator supplied by Brewer Cote at “No additional charge”
- Available in Black / Gray
- Open to Traffic in 20 Minutes



Samples and Demonstrations Gladly Provided

BREWER COTE OF ARIZONA INC ® THE PAVEMENT MAINTENANCE SPECIALISTS
5226 W. MISSOURI AVENUE, GLENDALE, ARIZONA 85301

POLYFLEX

City of Phoenix' Sky Harbor Airport ...

Williams Gateway, Deer Valley and Goodyear Airports Have been using **FlexSet** and **PolyFlex** for more than 10 Years! Pima County, Oro Valley and various others use **PolyFlex** Black for their Asphalt repairs.

PolyFlex re-bonds cracked Concrete, it is used to strengthen Roads, Bridges, Slabs and Parking Structures. It seals Concrete to stop freeze, thaw, spawling and chemical attack



Packaging - **PolyFlex** equal volume 'A' & 'B' components are packaged in 5 gal pail kits or bulk 30 gal or 100 gal kits. Shelf life is 12 mo. in unopened containers stored indoors. Brewer Cote keeps both the 5 gal and the bulk kits in stock.
(Including the application equipment)

Instructions - **PolyFlex** performs well in extreme temperatures. In excessive heat (100° F or higher). Do not leave product outside overnight. Do not apply during rain or on wet surfaces. Co-reactive A & B components are transferred from 5 to 50 gal containers, through proportioning pumps (1:1 ratio) to dispensing gun. Mixed material is dispensed into repairs. Read safety data sheet & installation instructions before using product.

Typical Properties

Component	'A'	'B'
Ratio A : B	1	1
Viscosity 73° F cps	24	57.5
Appearance	Amber	Black/Gray
Flash Point in F	245	360
Specific Gravity @ 73° F	1.09	1.01

Application Tests

Resilience
5 hr. Compressive Strength
24 hr. Compressive Strength
7 Day Tensile
7 Day Tear
Pot Life

Procedure

ASTM C579-01
ASTM C579-01 Mod
ASTM C579-01 Mod
ASTM D638
ASTM D624
Gardeo GT-S Gel polymers

Results

Pass
2100 psi
3800 psi
500+ psi
200 lb f/n
5 min

Temperature

80° - 100°
60° - 80°

Set Time

5-6 min.
10 min.

Return to Service

20 min.
30 min.

VARI-FLO POLYMER DISPENSING MACHINE

Roklin's VariFlo machine provides a quick and easy-to-use method for concrete and asphalt repair. There is minimal training required to use the VariFlo machine. The process begins with attaching the hoses, and flushing the lines to check that both flow evenly. When this is complete you are ready to apply your product.

Many Options

The VariFlo machine can be used to repair all types of pavement. While designed for two-part polymers, the VariFlo machine can be used with any 1-to-1 ratio two-part product. VariFlo is available in different sizes and can accommodate different size drums ranging from 5 to 50 gallons.

The two machines that accommodate these various sizes of drums are highly portable. Both machines fit easily into the back of a small truck. The smaller machine can even be hand-lifted. The machine has a low-power consumption and can be run off a small generator or an inverter, needing only 24 volts.



Control and Speed

The VariFlo machine has a variable volume delivery so material can be placed as quickly or as slowly as is needed. The mixing tips are simple to swap and allow for placement in small cracks or flowed across widespread damage. VariFlo applications allow significantly faster placement of materials. It is less labor intensive. The low viscosity material applied with VariFlo allows for easy, controllable flow into cracks or damage of any size, eliminating the need for removal or widening of cracks. VariFlo allows for slab stabilization with no removal, saving time, money and eliminating the need for damaged pavement disposal.

Easy Maintenance and Upkeep

VariFlo is designed with open access to easily-changeable parts. Replacement parts are readily available and easy to install. When done using the machine, flush with Vegetable oil, dispose of mixing tip and store.

Affordable

The VariFlo machine is an inexpensive option to effectively handle pavement repairs. Not only is it more affordable than other machines that perform similar functions, VariFlo is the more affordable polymer repair method. Using the VariFlo machine offers a 20-25% savings over our bucket repair method.

Safe

Enclosed delivery ensures no leaks or spills. Users are not exposed to materials as the drums are connected directly to the hoses and swapped out when they are empty. Workers are on the road for a shorter time so they have much less exposure to traffic.

Overall benefits to using VariFlo:

- Cleaner and faster
- Easier preparation
- Simple training
- Easy process and maintenance
- Safer



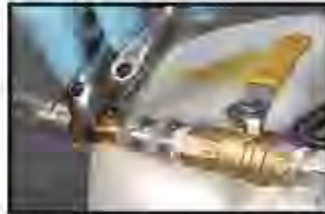
VARI-FLO PDM INSTRUCTIONS

START UP

*** Do Not plug machine into outlet and operate without fluid materials attached to pumping unit. Never operate pumps dry. This can cause severe damage to the pumps.**



Check that all fluid and air hose fittings are securely attached. Make sure there are no kinks in the hoses.



Do not over-tighten JIC hose swivel fittings. It is not necessary to apply thread tape to JIC fittings



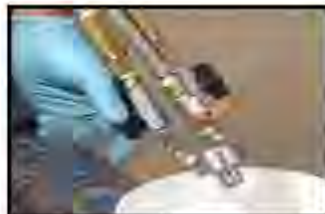
Attach drum hose and clamp to A and B containers, remove any air bubbles by loosening the clamps at the pump inlet and bending the clear tubing.



Speed dial on remote should be set at "0". Plug in the main power source. Have a bucket ready for the discharging material.



Turn to on and slowly adjust speed dial to 25 to allow pumps to be primed and fill the hoses. After a few seconds, the speed dial may be increased. Check for consistent flow.



Close gun valves back into closed position. Ensure that both drums have equal amounts.



Attach a static mixer to the gun end and secure with the mixer retaining nut and hand tighten.



Open gun valve handle. Turn the machine back to on, increase speed dial to desired flow rate.

OPERATING TIPS

Always vent the drums prior to application. If not vented they will collapse. Always store material closed tightly to prevent moisture contamination.

Before going out to the job site prepare and run the unit with material to ensure proper operation.

Always use a new static mixer when restarting after any break or interruption.

When applying the material be sure to close the gun valves before you air purge the mixer. Regularly purge the mixer when shutting off for more than a minute.

Do not use wet sand or aggregates.

With temperature increases, the material set time will increase. Colder temperatures will reduce it as well. Sand temperature and surface temperature can also be a factor.

Always be sure gun valves are closed first to clean and remove the gun manifold at the end of the day.

Always store the unit indoors at temperatures above 50°F. For more than a week, flush A-side hose with hydraulic oil. Before restarting, flush A-side hose for 2 minutes at a speed of 30.

Replacement parts for the pumps are available. Any work done by unauthorized personnel will negate any warranties.

Distributor

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Power Vac 300

BC Power Vac 300 is a Skid Mounted Crack Cleaning System meeting Federal Pollution Reduction PM10

20hp Kohler Overhead Cam Air Cooled gas engine with 500 cfm Hg positive displacement blower, tach/Hour meter, silencer, 3 stage filtration system, 6 gal gas tank and curb side controls. 200 gal spoils tank complete with push button hydraulic dump and door latch, full open door.

Includes 3" suction hose from pump to swivel boom (10') mountable in truck, 3" x 20' hose to 3" lightweight Vacuum Wand, Wand includes 1/2" Air hose to Injection tip and replaceable Skid Disks.

System Built on Two Skids to be conformed to any Truck or Trailer, Boom can be attached to Power Unit or Deck



WHEEL SUCTION HEAD – STANDARD



SKID SUCTION HEAD – AVAILABLE SEPARATELY

Specifications

ENGINE

20 hp Kohler with electric Start, hour meter, RPM Gauge, vacuum gauge & oil sentry light

Holding Tank

200 gal cap. With Hydraulic driven 42" diameter Dump door, sure seal gasket & 6" mechanical ball Shut off, 3" drain

Hydraulic Pump, DC Hydraulic Power System
12-volt, pump/motor/reservoir valve, check valve
4 way / 3 position solenoid, externally adjustable
Relief valve

Hydraulic Pump

Twin cylinder electric over hydraulic dump system
Moves 12" & tilts 60° to clear truck bed

4 Stage Air Filtering System

Cyclone pre filter to plead spun bond, polyester Filter, 2-stage element, washable, 10 micron
With adjustable relief pressure valve, clean with Soap and water

Fuel Tank

10 gal removable tank

BLOWER

Positive displacement rotary air blower, air flow 473 CFM at 3,600 RPM with 7"hg vacuum, air velocity 12,000 RPM through 2.5" diameter inlet

Pivotal Suction Boom

Movable over cab boom with 3" suction line for easy operation in front or rear of the truck/trailer

Suction Head

3" wand with quick connect ends & ½" air injection hose to replaceable steel tips
Suction heads available for your system

Blower Discharge Silencer

A multi- chamber containing a high frequency absorption device to effectively reduce excessive Noise

Lg 16" Pressure Manhole Access Door

14 psi maximum working pressure safety catch, pull opening, 4 quick opening adjustable cam levers

Suction Hose

20 ft of 3" hose with cam lock disconnect ends

Heavy-Duty Welded Support Frame Structure

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BREWER COTE® *Of Arizona*



**Rubber Hose w/Cover
& Male Pipe Threads**

27009 1" x 20'
27026 1" x 25'
ask about other sizes



**Steel Hose w/Cover
& Male Pipe Threads**

487023 20' Hose
487024 25' Hose



**Hose
Extension**

#487022 24" Steel



**Hose
Cover**

#27014 1" Cover



**Rubber Hose
Fittings**

#487901



Swivels

#27048 1"
#487293 3/4"



**Crack Sealant
Discs**

#27163 4" Disc
#27162 3" Disc



Crack Sealant Shoes

#488650 6" Shoe
w/valve tip
#488570 6" Shoe



Steel Ball Valves

#29240 1"
#487296 3/4"
ask about other sizes

Valve Handles
#27080



Sealant Tips

#27171 1/2" Steel Tip
#27170 3/8" Steel Tip
#488660 1/4" Steel Tip

The FV-11 Utility Torch is Built Tough, with all Welded and Steel Construction. These Torches are ideal for Weed Burning, Asphalt Feathering, Stump Burning, Spot Drying, Heating & Thawing, as well as many other commercial and agricultural uses.

Our Exclusive Valve-Orifice assembly allows this torch to operate safely at tank Pressure, eliminating the need for a pressure regulator.

It is Highly Recommended **that this Torch be operated in it's Kit Form**



- Easy to Use
- Simple Design
- Single Handle Use
- Fully Welded Construction
- Every Unit is Function Tested
- Shipped with HD Brass Valve

BTU Rating	400,000 @ Tank Pressure
Fuel	Vapor L.P. Gas (Propane)
Fuel Connection	9/16" – 18LH (Ball Seat)
Torch Head Diameter	2-7/8"
Gas Tube Material	3/8" Mild Steel
Length	32"
Weight	3 lbs.
Color	Blue

Distributor

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GUARANTEE

All equipment is guaranteed to be free from defect in either material or workmanship. All equipment is guaranteed to the extent of operating specifications of the equipment. No claim will be allowed for subsequent damage caused by improper installation, improper use (misuse), neglect, or improper fuel and/or electrical supply (if applicable).

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Primarily designed for the roofing & paving industries, the FV-15 hand torch is built tough and easy to use. With an adjustable standing pilot flame, the FV-15 torch is always ready to go. Just squeeze the trigger and a full force flame is released towards your work area.

The FV-15 has many other applications also, such as; shrink wrapping, industrial processing and floor & road drying.

RECOMMENDED SYSTEM - Burners, Inc. offers the FV-15-K for a complete torch system



- Easy To Use
- Cushion Grip Handle
- Fully Welded Construction
- Every Unit is Function Tested
- Kit Includes Torch Stand & Striker
- Squeeze Trigger with Standing Pilot

Specifications	
BTU Rating	520,000 @ 50 psi
Fuel	Vapor L.P. Gas (propane)
Fuel Connection	9/16" - 18 LH (Ball Seat)
Torch Head Diameter	2"
Material	Mild Steel & Brass
Length	32"
Weight	2-1/2 lbs.
Color	Blue & Black

visit us online: www.burnersinc.com

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Burners, Inc. utility torches are built tough, with all welded and steel construction. These torches are ideal for weed burning, asphalt feathering, stump burning, spot drying, heating & thawing, as well as many other commercial and agricultural uses.

With the ability to operate on tank pressure, these torches are designed for simple convenience.



- Easy To Use
- Simple Design
- Single Hand Use
- Fully Welded Construction
- Every Unit is Function Tested
- Shipped with HD Brass Valve
- Complete With 10' Hose & Tank Connector

Specifications	
BTU Rating	200,000 @ Tank Pressure
Fuel	Vapor L.P. Gas (propane)
Fuel Connection	CGA - 510
Torch Head Diameter	1-7/8"
Gas Tube Material	1/4" Mild Steel
Length	32"
Weight	2.8 lbs.
Color	Blue

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Gingway Brush Box

11" deep x 16" Tall – 16 gauge Metal Box with Hinged lid.
We use $\frac{3}{4}$ " x 9 ga expanded metal to hold brush 2" from bottom.

Adjustable Holder for Handles.

1" NPT Drain with mounting angles to secure box

40" Long for 36" Brush
40" Weights 59 lbs.

52" Long for 48" Brush
52" Weights 73 lbs.

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idealgas

Manufacturing Since 1962

Made in Italy

TRIGGER TORCH KIT PIEZO IDEAL-PERFORMANCE



Pressure Regulator
Optional

FEATURES

- PIEZO (Push) Ignition
- Lever Handle
- 60mm Special Turbo Burner
- 600mm Rod (Available in 350mm also)
- 85 kw of Power
- 25 ft Rubber Hose (100% NBR)
- Optional Pressure Regulator

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LITTLE WONDER®

Pro Crack Cleaner



54" L x 17" W x 33" H
without Handle Extension
Weight 77 lbs.

Larger Brush. Dual Belts. More Power.

The Pro Crack Cleaner cleans cracks and crevices in asphalt and concrete surfaces quickly and easily. Clearing away debris and undergrowth is extremely important before laying down crack filler and applying sealant. Dual belts to the brush clear crevices quicker and more thoroughly. Backed by a 1 year warranty.

FEATURES

Honda® GX120 engine 3 yr. Warranty

Dual belt drive provides extra power to the brush and reduces slippage during application.
Large heavy-duty 9" diameter twisted wire wheel brush ideal for cleaning out joints & cracks

Brush depth adjustable up to 4"

Brush shield keeps debris off the belts

Convenient controls adjust depth, belt tension, & brush engagement from the operator's position

Anti-vibration grip for user comfort – Extension Handle optional

Four wheel design provides extra stability and eliminates the need for a curb wheel

All wheels have steel hubs w/ ball bearings, full axles front & rear for smooth easy maneuverability

Large gas tank size 3 qt Capacity - reduces refueling intervals

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Asphalt Broom/Brush Heads

MARSHALLTOWN has an assortment of Asphalt Broom/Brush Heads to fit your preference. Our Street/Asphalt Brooms come with either Polybase Plastic or Palmyra Stalk bristles and are great for general sweeping prior to resurfacing. The Wire Scraper Brush is an oil spot brush with a scraper for hard to reach, stubborn stains. It comes with 2" bristles. The Wire Street Broom and Wire Broom are both built strong to withstand heavy duty cleaning of driveways and parking lots. The Wire Street Broom has 3" coated steel wire bristles whereas the Wire Broom has 5" bristles that are ideal for cleaning oil or grease spots. All MARSHALLTOWN Broom/Brush Heads work with a Tapered Handle and are Made in the USA with Global Materials.

Street or Asphalt Brooms

- For general sweeping prior to resurfacing
- 1 $\frac{1}{8}$ " (28mm) diameter tapered wood handles sold separately



Wire Scraper Brush

- Oil spot brush with scraper for hard to reach stubborn stains
- 2" (51mm) bristles
- 1 $\frac{1}{8}$ " X 60" (28mm X 1524mm) tapered wood handle sold separately





Wire Broom

- Ideal for cleaning oil or grease spots
- Built strong to withstand heavy duty cleaning of driveways and parking lots
- 5" (127mm) bristles
- 1¹/₈" X 60" (28mm X 1524mm) tapered wood handle sold separately



Wire Street Broom

- Coated steel wire
- Built strong to withstand heavy duty cleaning of driveways and parking lots
- 3³/₄" (95mm) bristles
- 1¹/₈" X 60" (28mm X 1524mm) tapered wood handle sold separately



Distributor

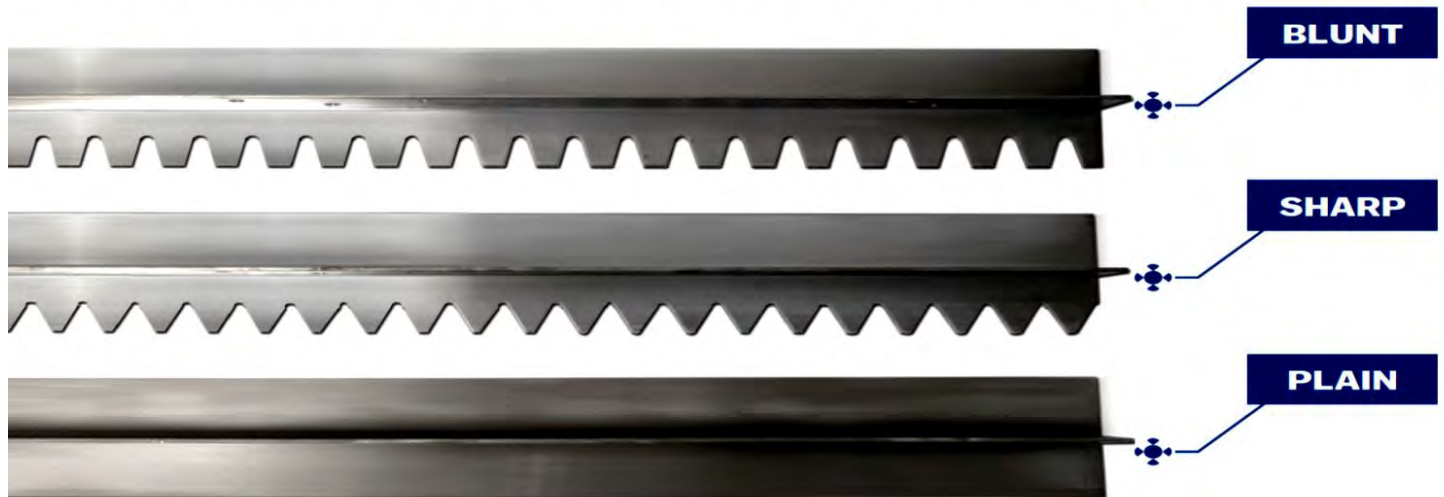
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MARSHALLTOWN LUTE BLADE STYLES



Magnesium Asphalt Lute Rake

MARSHALLTOWN Magnesium Asphalt Lutes are made with a lightweight, durable magnesium head. You have your choice between our standard Lutes, Braced Lute Rakes, or Lute Rakes w/ T-Connector. All our Magnesium Asphalt Lutes blades are 3" high and come with your choice of blunt, sharp, or plain depending on your preference. You can also choose your blade size, handle material, and handle length.

Magnesium Lutes

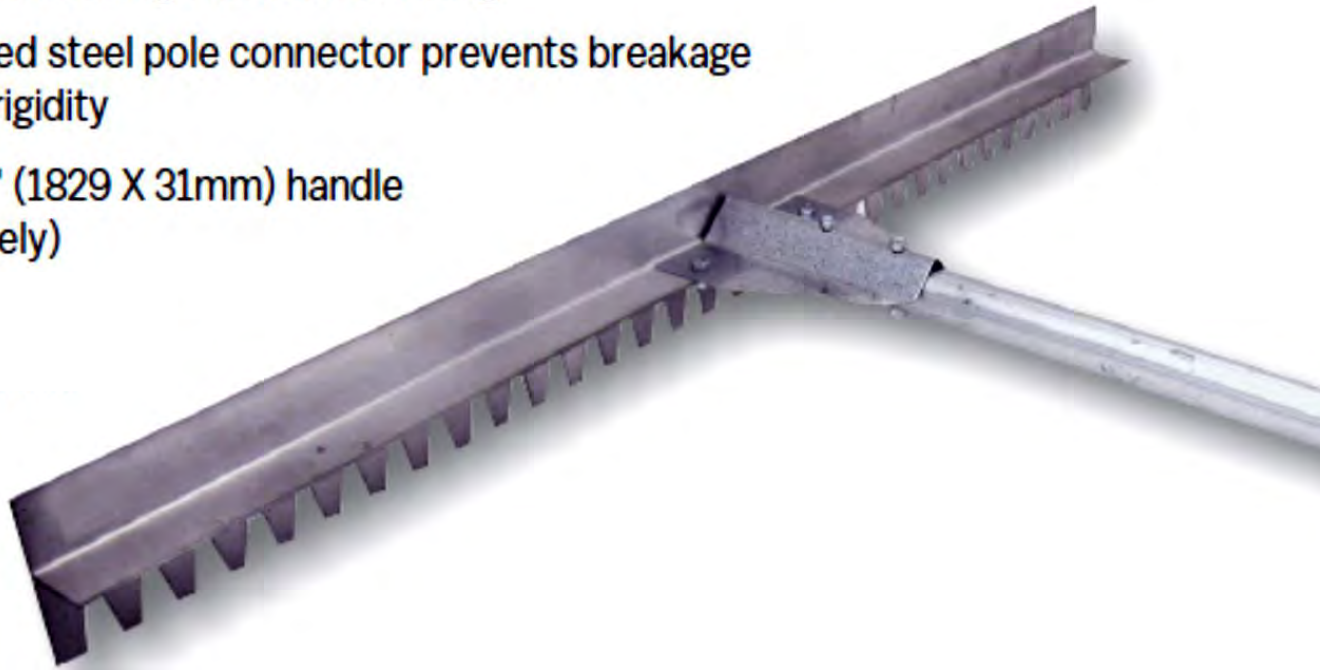
- Durable, lightweight magnesium head
- Square to round wood handle for better grip
- Used for smoothing and leveling fresh asphalt prior to compacting
- Easily replaceable blade, connector and handle





Magnesium Asphalt Rake

- Lightweight "T" section blade has blunt teeth which are designed to allow material to pass through without catching
- Rugged formed steel pole connector prevents breakage and ensures rigidity
- 839 72 X 1¹/₄" (1829 X 31mm) handle (sold separately)



Magnesium Lute Rakes with T-Connector

- Durable lightweight magnesium head
- Includes 1³/₈" (35mm) aluminum handle available in three different lengths
- All parts are easily replaceable





Braced Magnesium Lute Rakes

- Durable lightweight magnesium head
- Combination lute rake
- Gusset and metal braces with collar provide additional durability
- Aluminum handle
- All parts are easily replaceable



Lute Rakes with Wood or Fiberglass Handle

- Durable lightweight magnesium head
- Combination lute rake
- Metal brace for more durability
- All parts are easily replaceable
- Wood or fiberglass handles available



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Asphalt Squeegees



V-Shaped Squeegees

MARSHALLTOWN V-Shaped Crack Squeegees forces sealant down into cracks while pushing or pulling excess material. You have your choice of a "push," "pull," , Reversible Head or Reversible Head w/ snap connector. You can also choose either black neoprene or red silicone blade. The black neoprene has a temperature rating of 220° F (104° C) and the red silicone has a temperature rating of 392° F (200° C). All V-Shaped Crack Squeegees come with 54" wood handles.



U-Shaped Squeegees

The **MARSHALLTOWN** U-Shaped Crack Squeegee works well with Pour Pots and leaves a wider path of sealant. For U-Shaped Crack Squeegees, we only offer push squeegees with a black neoprene blade. This product comes complete with a 54" wooden handle.



Straight or Curved Squeegees

MARSHALLTOWN Asphalt Squeegees are durable Aluminum and Steel Construction. Come's with a reversible Black Neoprene Blade that has a durometer of 72 and a temperature rating of 220° F (104° C). You have your choice of Curved or Straight blade and Blade length. The Asphalt Squeegees come complete with a 60" handle.

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*If the brush application or delivery is critical...
Power Brushes, Inc. is the company to call!*

Straight Strip Trim Brushes

Strip brushes are commonly manufactured using our #4 and #7 backing. They can be made using a variety of materials with various trim lengths. We are able to make different variations of trims such as random, offset, and notch to accommodate a variety of industrial uses.

Synthetics	Polypropylene	6	6.6	6.12	Polyester
Stiffness Modulus Dry (PSI) x 1000*	745	375	512	450	450
Stiffness Modulus Wet (PSI) x 1000*	700	140	160	400	420
Water Absorption**	0.03%	10%	9%	3%	0.33%
Bend Recovery	75%	90%	90%	90%	90%
Softening Point (°F)	240°	300°	300°	300°	300°

*Stiffness modulus based on: Dry 50% Humidity, Wet 100% Humidity

**Water absorption from total immersion at room temperature

Most synthetic material color is black or natural (milky white). The characteristics of the material remain the same regardless of the material color.

Custom Materials

Conductive Synthetics, High Heat Synthetics, Mixes of Synthetics/Wire/Natural Fibers, Various Colors & Crimps.

Wire

Can be very aggressive, withstands heat, available in Oil Tempered Steel, Stainless Steel, Phosphor Bronze & Brass.

Natural Fibers

Horsehair, Tampico, Bassine and Union Mixes all offer unique properties.

All of the above except natural fibers are available in level or crimped.

Level: Filaments are Straight. 

Crimped: Filaments have a Series of Waves in each Filament. 

Sizes: 18"- 24"- 36"- 48"

Distributor

Brewer Cote of Arizona "The Pavement Maintenance Specialists"

5226 W Missouri Avenue, Glendale Arizona 85301

www.brewercoteaz.com Tel. 623-931-3728 Toll 888-931-3728 Fax 623-931-3728 sales@brewercoteaz.com



ROLATAPE®

Professionals Count on The Rolatape® Professional Series for Reliable Measuring under the Toughest Conditions. Featuring all Steel Construction, a 5-digit Ratchet Counter, Calibrated Wide Rubber Tire and Safety-Glo Powder Coating, The Professional Series has set the Standard for Quality, Accuracy and Dependability since 1950.

112 SERIES

Heavy Duty, Compact Dual Wheel Unit
Primary Uses: Law Enforcement, Roofing
Paving and Estimating.



300 SERIES

Standards of Versatility & Portability are set by the Rolatape® 300 Series. Real Estate, Landscaping, Municipal & Construction Measuring needs are handled with ease by the 300 Series. The Model 300S is equipped with a Stand.



400 SERIES

The Rolatape® 400 Series is a Tough, All-Purpose Measuring Wheel for Heavy Construction, Utilities, Cable, Telecommunications, Land Survey & other Critical Measuring applications. The 400 Series is The World's #1 Selling Industrial Measuring Wheel, Which Features an automatic Brake/Mud Scraper & Stand.



401 M

When a Tough, All-Purpose Metric Measuring Wheel is needed, nothing fills the order like the Rolatape® 400M (Spoked) Wheel. These 1m circumference Wheels handle the toughest measuring needs for Heavy Construction, Large Commercial Operations, Utility Companies, Land Survey & other Critical Measuring Applications.





ROLATAPE®

415 SERIES

Like the 400 except the 415 Series Features a Solid Disk Wheel for measuring in the Roughest Terrain. Tall Grass & Brush won't get caught in this Heavy-Duty Measuring Wheel. The convenient automatic Brake/Mud Scraper ensures Accurate Measurements. This Unit is also equipped with a Stand.



416M SERIES

When A Tough, All-Purpose Measuring Wheel is needed, Nothing fills the order like The Rolatape® 416M (Solid Disk). These 1m circumference wheels handle the toughest Measuring needs for Heavy Construction, Large Commercial Operations, Utility Companies, Land Survey & Other Critical Measuring applications.



600 SERIES

Nothing Can Beat The Rolatape® 600 Series when it comes to long distance measuring over the Roughest Terrain. Applications include Trail Blazing Land Measurement, Golf Courses and other Difficult Routes. The convenient Automatic Brake/Mudd Scraper ensures accurate Measurements. When measuring Acreage, nothing works Better than the Model 660. The Model 623 Series is equipped with a Stand.



Distributor

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Surfa • Slick

MAGNESIUM ASPHALT LUTES



Skillful lute operators are vital to completing a smooth mat finish. Providing the right equipment will Help prevent operator fatigue, accidents and help lower overhead expense. **Surfa • Slick** magnesium Asphalt lute rakes are lightweight, rugged and will provide a finish your customers will appreciate. Our asphalt lutes have the strength and spring of steel and yet are one third lighter than aluminum. Each magnesium handle and lute bar are resistant to abrasion and dissipates heat quickly. The bar is joined to the handle with heavy duty casting that creates a rigid connection superior to weaker Braced connections. The lute bar's serrated edge is formed with slightly blunted points and rounded Notches to permit material to pass through without jamming. Bars are available in two formats, Serrated and smooth or smooth top and bottom. Handles are available in lengths ranging from 6' to 8'4" and are also available in fiberglass when conditions require a nonconductive element. All of Us at **Surfa • Slick** are proud to provide you with the latest achievements in lute design and quality. We think you will agree by the long life of each of our products that **Surfa • Slick** is committed to Serving you today as well as tomorrow. So, when you think of Asphalt lutes, think of **Surfa • Slick**

FEATURES

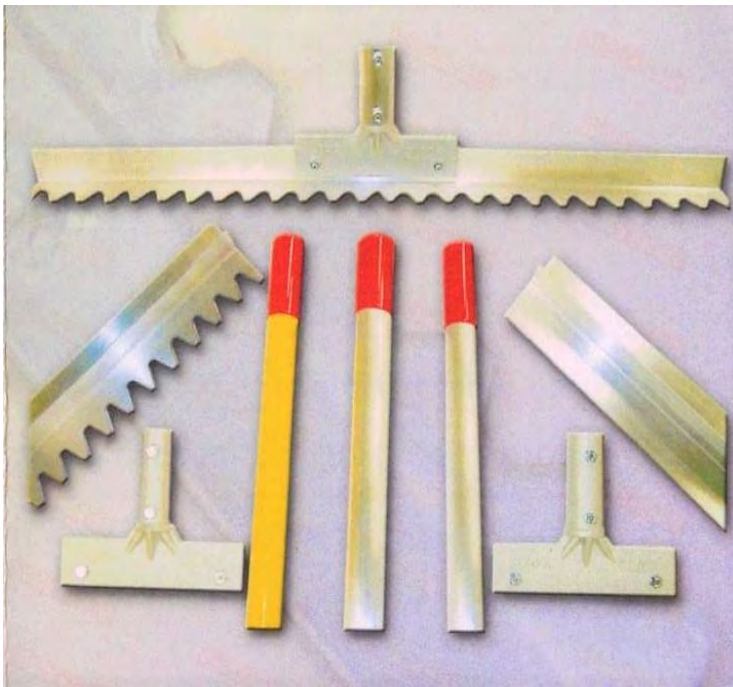
MAGNESIUM WEIGHS $\frac{2}{3}$ OF ALUMINUM- $\frac{1}{4}$ OF STEEL
STRENGTH AND SPRING OF STEEL
HIGH THERMAL CONDUCTIVITY
DISSIPATES HEAT QUICKER THAN ALUMINUM
EASILY RECYCLED MATERIAL

BENEFITS

LESS OPERATOR FATIGUE
LONG LASTING-WEARING TOOL EXCELLENT VALUE
LESS ASPHALT BUILDUP ON TOOL
COOLER TO USE
ENVIRONMENTALLY FRIENDLY



Distributor



Our **6' Surfa-Slick Magnesium Asphalt Lute** with serrated lute blade comes in all Handle lengths and with our award- winning **T-Bar Brace** that will keep the bar and handle feeling strong and tight together. If you need to do more luting or handwork on your paving project, this lute will feel lighter because it is one-third lighter than aluminum. This Surf-Slick Magnesium Lute will make you feel like you aren't even working. The added leverage you get with a shorter handle makes a lot of luting in one day possible and won't wear out your lute girl. Our T Adaptor brace works well in this condition as it holds the shorter lute handle more firmly to the magnesium lute blade. Your lute person will like the way this large 1.5" diameter lute handle feels. You want a flat mat but not a flat lute. Buy this one for your puddle maker and he won't put it down for the driver to run it over again.



LUTE BARS COME IN 5 SIZES
 24"-30"-36"-42"-48"
HANDLES AVAILABLE IN 4 LENGTHS
 6' X 1 1/2" DIAMETER
 7' X 1 1/2" DIAMETER
 8'4" X 1 1/2" DIAMETER
 6'9" X 1 1/4" DIAMETER
FIBERGLASS HANDLES
 8'4" X 1 1/4" DIAMETER
 Fiberglass Handle Tested to a Conductivity
 Breakdown Point of 58.9 kilovolts



On Sale Now

WARRIOR DIAMOND, INC.



14 HP

22 HP

RAPID RABBIT™ CRACK CHASERS & SAW BLADES

The Industry's Fastest, Easiest to Use Equipment for Routing Random Cracks in Concrete & Asphalt
Available in 14 HP & 22 HP Subaru Gas Engines for Every Size Job

◇ FEATURES ◇

- ◇ Extremely Operator Friendly
- ◇ Center Mounted Blade makes following random cracks easy & accurate
- ◇ Rapid Rabbit™ Crack Chasers are safer to operate than carbide cutter units
- ◇ Eliminates percussive fractures often caused by carbide cutters
- ◇ Uses Warrior Diamond, Inc. Blades for extra smooth routing of even the most erratic random cracks
- ◇ Depth of cut indicator directly in operator's line of sight, minimizes cutting too deep & saves on Sealant costs
- ◇ Patented Z-Triangle Arbor prevents blade from turning on Arbor, eliminating the need to replace expensive spindle shafts
- ◇ Produces a perfect Sealant Reservoir for maximum pavement life
- ◇ Standard Options include dry cutting with Spray Mist & Vacuum Attachment
- ◇ Push button Electric Depth Control on the handle
- ◇ Subaru Engine with cyclone air filter for extended engine life

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WARRIOR DIAMOND, INC.

Model	RR 14	RR 22
Materials Cut	Cured Concrete & Asphalt	Cured Concrete & Asphalt
Blade Width	.250" – 375" – 500"	.250" – 375" – 500" – 750"
Blade Rotation	Down-cut as viewed by Operator	Down-cut as viewed by Operator
Blade Shaft Speed	4600 rpm	4800 rpm
Cutting Depth	1 ½" (38mm) & 1 ¼" end of life	1 ½" (38mm) & 1 ¼" end of life
Dimensions		
Handle Up Most Position	43" x 24" x 50"	46" x 31" x 53"
Handle Down Most Position	62" x 24" x 29"	64" x 31" x 38"
Engine	14 HP (9.9KW) Subaru Robin Model EX-40 Air cooled, 4 Cycle, Single-Slat cylinder overhead valve Gasoline Engine	22 HP (16.4KW) Subaru Robin Model EH-65 Air cooled, 4 Cycle, V-Twin cylinder overhead valve Gasoline Engine
Starting System	Manuel recoil Starter/Electric Start with automatic Mechanical Compression Release and zero kick back	Electric Start with automatic Mechanical Compression Release and zero kick back
Air Filter	Duel element cleaner / Cyclone filter	Heavy Duty
Oil System	Oil Alert with automatic shut down Sensor	Oil Alert with automatic shut down Sensor
Blade Raise / Lower System	Electric actuated with switch on handle bar	Electric actuated with switch on handle bar
Handle	Three position adjustable	Three position adjustable
Wheels	Hard Polyurethane	Hard Polyurethane
Weight / Shipping Weight	270 Lbs	470 Lbs



Blade Diameter	Blade Thickness	Concrete Part #	Asphalt Part #
6"	0.250"	R62501	R62504
6"	0.375"	R63751	R63754
6"	0.500"	R65001	R65004
6"	0.750"	R67951	R67504

Approximate Existing Crack Width	Finished Routed Width
¼"	⅜"
⅜"	½"
½"	⅝"
¾"	⅞"

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AR-92

Asphalt Release Agent

AR-92 is a water soluble release agent which prevents asphalt from sticking to the sides and bottom of truck beds. Proper application produces a rich foam which allows asphalt loads to easily slide from truck beds when tilted. Will not affect the composition of the asphalt mix.

Directions for Use

AR-92 is dispensed through standard proportioning valves. Standard dilution is 40 parts of water to 1 part AR-92.

Surface treated must be clean of any asphalt accumulation. Apply solution to sides, bed and spreader bar of the truck. For best results, fill truck with asphalt while the coating is still wet.

Safety Reminder

Consult Product Label and Safety Data Sheet (SDS) before use. Prior to using this or any cleaning product, make sure employees read and understand the hazard information found on the product label and Safety Data Sheet (SDS). The label and SDS will also provide information on handling precautions, protective equipment and first aid instructions which might be appropriate for this product.



Technical Specifications

Appearance	Yellow Liquid
Odor	Mild
pH (1% solution, 22°C)	7-8
Foaming	High
Flash Point	None
Rinsability	Complete
Stability/Storage	2 Years
Emulsification	Complete
Solubility	100%
Phosphate Content	None

Product Number

G5-55

Packaging

55 Gallon Drum

Distributor

Brewer Cote of Arizona The Pavement Maintenance Specialists
5226 W Missouri Avenue, Glendale, Arizona 85301
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PEC

Paving Equipment Cleaner

Paving Equipment Cleaner is a heavy duty cleaner that can be used on a variety of asphalt related equipment to include:

Truck Beds
Racks & Shovels
Paving Machines
Rollers & Spreader Bars
Wheelbarrows

Paving Equipment Cleaner is a ready to use product that can also be used to coat tools and equipment prior to use to keep them free of build-up.

Directions for Use

Spray, wipe or brush the object to be cleaned with PEC.

Small objects may also be immersed, if desired. Allow cleaner to remain on surface until the asphalt is loosened.

Safety Reminder

Consult Product Label and Safety Data Sheet (SDS) before use. Prior to using this or any cleaning product, make sure employees read and understand the hazard information found on the product label and Safety Data Sheet (SDS). The label and SDS will also provide information on handling precautions, protective equipment and first aid instructions which might be appropriate for this product.



Technical Specifications

Appearance	Clear Liquid
Odor	Slight odor
pH	N/D
Foaming	None
Flash Point	159.8F
Rinsability	Complete
Stability/Storage	2 Years
Emulsification	Complete
Solubility	100%
Phosphate Content	None

Product Number

G9-4CS
G9-5G
G9-55

Packaging

4 Gallon Case
5 Gallon Pail
55 Gallon Drum

Distributor

Brewer Cote of Arizona The Pavement Maintenance Specialists
5226 W Missouri Avenue, Glendale, Arizona 85301
www.brewercoteaz.com 888-931-3728 sales@brewercoteaz.com

Solvit

Tar & Asphalt Remover

A d-limonene based heavy duty degreaser & tar remover. Specially formulated with natural citrus based oils. Excellent for all cleaning tasks. Emulsifies and quickly removes grease & grime. Great for use on tools and equipment, flooring, siding and sidewalks.

Directions for Use

USAGE: Application and coverage rate will vary depending on conditions. **FIRST AND FOREMOST** Solvit should be used full strength. For hard surfaces such as concrete, metal, wood, glass, ceramic and stone, the object may be sprayed, poured, brushed, blotted or soaked. Allow time for product to work, then agitate with a rag or stiff bristle brush and rinse away stain and residue with water. Repeat as needed. Thicker soils can be scraped to remove heavy deposits prior to application. Tools and equipment must be solvent resistant. **NOTE:** Objects to be cleaned should first be tested for compatibility, especially on paints and plastics. Do not use on plastic surfaces unless they are solvent resistant.

Safety Reminder

Consult Product Label and Safety Data Sheet (SDS) before use. Prior to using this or any cleaning product, make sure employees read and understand the hazard information found on the product label and Safety Data Sheet (SDS). The label and SDS will also provide information on handling precautions, protective equipment and first aid instructions which might be appropriate for this product.

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Technical Specifications

Appearance	Orange Liquid
Odor	Citrus
pH	N/D
Foaming	None
Flash Point	115.4 F
Rinsability	Complete
Stability/Storage	2 Years
Emulsification	Complete
Solubility	100%
Phosphate Content	None

Product Number

G8-QCS
G8-4CS
G8-5G
G8-55

Packaging

12 Quart Case
4 Gallon Case
5 Gallon Pail
55 Gallon Drum

SOLVALL

Tar & Asphalt Remover

Solvall is a ready-to-use, water rinsable liquid, which quickly and easily removes coal tar sealer, asphalt sealer, crack sealer, roofing tar, mastic and tack coat from most washable surfaces. Formulated for use on tools, equipment, vehicles, sidewalks, flooring, siding, clothing and carpeting. Will breakdown the composition of the stain and emulsify so that it is rinsed away with water. It is non-foaming and evaporates slowly. SOLVALL will clean up fresh spills, splatters and oversprays, as well as, caked-on messes.

Directions for Use

USAGE: Application and coverage rate will vary depending on conditions. **FIRST AND FOREMOST** Solvall should be used full strength. For hard surfaces such as concrete, metal, wood, glass, ceramic and stone, the object may be sprayed, poured, brushed, blotted or soaked. Allow time for product to work, then agitate with a rag or stiff bristle brush and rinse away stain and residue with water. Repeat as needed. Thicker soils can be scraped to remove heavy deposits prior to application. Tools and equipment must be solvent resistant. **NOTE:** Objects to be cleaned should first be tested for compatibility, especially on paints and plastics. Do not use on plastic surfaces unless they are solvent resistant.

Safety Reminder

Consult Product Label and Safety Data Sheet (SDS) before use. Prior to using this or any cleaning product, make sure employees read and understand the hazard information found on the product label and Safety Data Sheet (SDS). The label and SDS will also provide information on handling precautions, protective equipment and first aid instructions which might be appropriate for this product.



Technical Specifications

Appearance	Clear Liquid
Odor	Characteristic
pH	N/D
Foaming	None
Flash Point	118.4 F
Rinsability	Complete
Stability/Storage	2 Years
Emulsification	Complete
Solubility	100%
Phosphate Content	None

Product Number

G11-QCS
G11-4CS
G11-5G
G11-55

Packaging

12 Quart Case
4 Gallon Case
5 Gallon Pail
55 Gallon Drum

Distributor

Brewer Cote of Arizona The Pavement Maintenance Specialists
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www.brewercoteaz.com 888-931-3728 sales@brewercoteaz.com

WATER JEL® "4X4"

BURN DRESSING

(Part Number 450615)

*"Whenever a burn emergency strikes
we've got the dressing to match it", Water Jel® Technologies*

For Burn Relief of Painful Burns, Water Jels® got you Covered!

Regardless of your industry a burn can strike at any time. And that's why it is so important to be prepared. Any burn, even a minor one, can be extremely painful - and dangerous.

In treating a burn emergency, speed and portability are key. Consisting of a scientifically formulated cooling gel and medical grade non woven carrier, when applied to the wound, these burn dressings cool the burn, relieve the pain and protect against airborne contamination. Water based and water soluble, Water Jel® Sterile Burn Dressings won't stick to the wound and may be applied directly over clothing.

Packed in individual foil pouches, Water Jel® Sterile Burn Dressings are available in different sizes to accommodate a variety of emergency situations.

With Water Jel® Sterile Burn Dressing, it takes no special training to give fast and effective burn care for any type of burn injury.

**Sizes Available: 2"x6" (5x15 cm) 4"x16" (10x40 cm) 8"x18" (20x46 cm)
12"x16" (30.5x40.5 cm)**

Standard in Stock: 4"x4" (10x10 cm)

10% Discount on purchase of 1 box (15 each)

BREWER COTE of ARIZONA® INC

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LAB
MANUFACTURING

Hot Air Lances

Check Out the Rest - But Buy the Best

LAB Manufacturing-Engineering Combustion Systems for Over a Decade

FLAME FREE

Patented "Flame Free"
Combustion System

Quick Connect Fittings

Stainless Steel Construction

Stainless Steel Burner Tube

Options

Wheel Kit, Debris Guard, Ignition
System and Comfort Grip Handle

Industrial Hose Kit
Abrasion Resistant Hose Cover
40', 50', 60'

LP Regulator
with Gauge

High Flow Air Filter

Shoulder Strap

- ▲ Patented "Flame Free" Combustion system properly cleans and dries Asphalt and Concrete Cracks, Joints and Potholes in one easy step
- ▲ High Velocity Hot Air quickly prepares Sealant reservoir – maximizing sealant adhesion
- ▲ No Flame means no Surface Impingement – cleans and dries faster than conventional torches
- ▲ In Seconds, the Hot Air Lance dries, cleans and prepares cracks / joints for sealant application
- ▲ Precision Engineered to outperform the competition
- ▲ Balanced for One-handed use, Anyone can be taught to be a skillfull operator in a matter of minutes
- ▲ Adjustable Temperature / Volume Controls for maximum effectiveness and economy
- ▲ Built with Pride in the USA

The Best Hot Air Lance in the Industry for Drying and Cleaning Pavement Cracks, Joints and Potholes

Patented Combustion System
for guaranteed performance

Rugged Stainless Steel Construction
for years of trouble free operation



Stinger All in One Portable Heat Lance



Hot Shot / Classic Model B / Blaster Model C

LAB Hot Air Lances blast out dirt & debris with Hot Compressed Air. They Draw out moisture from cracks without “over cooking”; lifting off oxidized surface leaving a warm, dry surface, properly prepared sealant adhesion.

Hot Air dries more thoroughly because it expands surfaces faster under any conditions, particularly inclement weather. Unlike flame, Hot Air completely extracts moisture leaving smooth, clean surfaces that are ready for sealant application

We at LAB are committed to providing you, the Customer, the best and most versatile Hot Air Lance in the industry. This Lance is an integral part of the whole package and may be purchased by itself.

However, we offer a complete kit which includes everything you need to conduct your business in the most efficient, economical and profitable way possible. All you need is an air compressor and propane tank to begin successful operation.

How does A Hot Air Lance Work?

Lab Heat Lances burn vapor propane and mix it with super-heated compressed air in a specially designed and patented combustion chamber. High velocity hot air is produced and directed towards the pavement surface. Since no flame touches the pavement, you can fill cracks immediately behind the lance operator without the worry of burning or charring the pavement surface

Which Model Suits You?

In order to produce enough velocity, you must have a good air supply of compressed air to effectively and Quickly clean and dry pavement cracks, joints and potholes. The more air you provide the better the performance. Which lance is right for you? The major difference is the volume of air-supply. What size is your compressor? Use chart for reference.

Compressor Size

60 – 100 cfm

100 – 185 cfm

150+ cfm

Best Performance

Hot Shot

Classic Model B

Blaster Model C

Complete Package Includes

Hot Air Lance Unit
(Hot Shot - Classic - Blaster)
Hose Assembly/ Cover
(40'-50'-60')
Shoulder Strap

Heavy Duty Air Filter
LP Regulator & Gauge
Quick Connect Fittings
Safety & Operation Manual
Warranty Card



LAB
MANUFACTURING

Hot Air Lances

Hot Shot

Heated Air Temperatures	400°- 2600° F
Exit Heated Air	Up to 1000 ft/sec
Propane	5 to 30 psi
Propane Consumption	10 lbs/hr @ 20 psi
Compressed Air Supply	60-100 cfm / 50-175 psi
BTU's	to 1,000,000
Lance Weight	11 lbs

Classic B

400°- 2600° F
Up to 1000 ft/sec
5 to 30 psi
10 lbs/hr @ 20 psi
100-185 cfm / 50-175 psi
to 1,000,000
11 lbs

Blaster C

600° - 3000° F
Up to 3000 ft/sec
5 to 30 psi
12 lbs/hr @ 20 psi
150+ cfm / 90-175 psi
to 1,500,000
12 lbs

Stinger All-in-One

A portable crack sealing lance in one package

Features	Honda GX 5.5 HP Engine
	Electronic Ignition
	Stainless Steel Burner
	Easy to Operate Swivel Rear Wheel
	Lance Assembly weight 10 lbs
	Lance Assembly Length 59"
	Single Stage Compressor
	40"H x 39"W x 51"L
	Shipping Weight 280 lbs

CAT Torch Kit

Save Money on this Lower budget Unit

Lightweight Aluminum Body
Fingertip Control for Air & Fuel
Includes Propane Hose (50ft) & Regulator
Cleans & Dries with High Temperature
Extends your work season
BTU rating – 300,000 @ 55 psi
Temp Output – 2000°-2400°
Use with Your own Air
Compressor & Propane Tank

The Hottest Thing On The Road

Be Sure You Get The FACTS

We're Honored that you are considering our High-Performance Flame-Free Equipment. LAB Prides itself on its patented flame free combustion system. Be Sure that you do your research When inquiring about other heat lances. Some claim to be "Flame Free" but proof is the key. Get a demo of each and witness the difference in LAB Heat Lances from the other "so called" heat lances on the market. You'll be glad you did! Don't get burned by look-a-likes.

Additional Uses for Our Heat Lances

Pothole Preparation prior to Filling
Dry Pavement Surfaces prior to Line Striping
Removal of Thermoplastic and Water based Paint
Remove / Re-Melt excess sealant material from Pavement
Dry concrete surfaces prior to application of coatings
Reflector casting removal



Each Unit is Performance Tested
at Factory. Fully Guaranteed
against Material and
Manufacturing Defects

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The Pavement Maintenance Specialists
5226 W. Missouri Ave, Glendale AZ 85301
Tel. 623-931-3728 Toll 888-931-3728
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The New, Stronger **LITTLE WONDER**[®] **OPTIMAX BLOWERS**

You should have a blower this powerful and easy to use.

The Optimax Concept

- Optimum performance / Maximum output from our aerodynamic fan and housing
- Controllable airflow from our split stream deflector makes you more productive
- Solid construction stands up to your everyday work conditions



Redesigned From The Base Up

We started with a simple objective: improve the world's most productive wheeled blower by making it easier to use and more durable than ever. The result is that the new Optimax blowers set a new standard in performance and ease of use.



Fans

Reverse angle steel fans provide power. These fans are stronger than ever, built with the advanced welding technology. The blades are stamped from a single piece of 10 gauge steel and then welded to the hub with a precision robot to create a solid connection. The 270cc and larger fans are dual plane balanced to tighter tolerance—to reduce stress and vibration.



Steel scrolled housing.

Optimal Control

Shaping the inlet air allows us to deliver a smoother less turbulent output. Splitting the output air into 2 streams keeps debris under control. Adjust the chute for the conditions and job at hand quickly and easily, then let the blower do the work. Even our discharge chute is low and wide—to provide a more effective air pattern.



Housing weld.

Solid Connections, Rugged Design

Continuously welded housing, a 1 piece lower deck, single tubular lower frame, 2 bolts for the upper handle connection all show the importance we placed on a machine that lasts.

Maximize Performance for Your Job

Each job is different and the conditions change with the weather. There are days when you need to peel wet leaves off the ground, and other times when you want to keep leaves low so the wind doesn't take them away. Set the exclusive Little Wonder split stream deflector for your job, and gain control.



Chain drive deflector

Remote Control Deflector

- Put the powerful airflow to work.
- Locking knob and chain drive that reduces stress on the cable.



Built in front discharge.



Little Wonder's Larger & Lower Chute Gives You Better Blowing Power

The Little Wonder discharge chute on our LB270 Subaru model is nearly twice as large at 25 square inches as some competitive models of the same horsepower, plus the bottom of the air stream is located just two inches off the ground so there is no need to constantly adjust or redirect the air stream.



LITTLE WONDER

25 sq. inch square chute | 2" off the ground



COMPETITOR

13 sq. inch round chute | 5" off the ground

Go to LittleWonder.com for more information.

Full Line OPTIMAX

Different Platforms But Common Features.

We recognize different uses and different sized jobs, but didn't sacrifice quality when we made our smallest models

160 & 170cc Push Models Are Optimax In Smaller Size

- Smaller package, powerful performance
- Rugged design
- Improved balance on the 160/170cc models with 10" tires



LB 160H

Full Featured Push Models – 270-570cc

- Larger models deliver more productivity
- Deeper fans & larger housings
- Remote control airflow
- Larger fan depth allows 2 plane balancing



LB 270H

Self Propelled Models – 270-570cc

- Adapts to conditions like you do
- Quick to get to work and then match speed to conditions
- Larger 13" turf tires
- Forward up to 4.1 mph;
Reverse up to 2.5 mph



LB 270H SP

Distributor

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Asphalt Brooms

MARSHALLTOWN's Asphalt Broom and Coarse Asphalt Broom both come with a handle included. Our Asphalt Broom has a 24" steel blade scraper and is great for removing ice, snow, construction clean-up, and other compacted debris. The bristle side works as a heavy duty industrial broom and has braces for extra stability and strength. The Coarse Asphalt Broom, also 24", is a brown plastic garage brush used for wet or dry sweeping of rough concrete or asphalt floors. It won't soften when exposed to water or oils. Both brooms are Made in the USA with Global Materials.

Coarse Asphalt Broom

- Coarse 24" (610mm) brown plastic garage brush used for wet or dry sweeping of rough concrete or asphalt floors
- Will not soften when exposed to water or oils
- 1 $\frac{1}{8}$ " X 60" (28mm X 1524mm) threaded handle included



Asphalt Broom

- 24" (610mm) attached steel blade scrapes and removes ice, snow, construction clean-up and other compacted debris
- Conveniently turns over to convert to a heavy duty 24" (610mm) wide industrial sweeping broom
- Braces provide extra stability and strength
- Handle included



Distributor

Brewer Cote of Arizona "The Pavement Maintenance Specialists"

5226 West Missouri Avenue, Glendale Arizona 85301

www.brewercoteaz.com Tel 623-931-3728 toll 888-931-3728 Fax 623-842-0714 sales@brewercoteaz.com

BullDog Pro Water Blasters



Diesel Engine Powered Pressure Washers

Performance, Durability, Reliability, Serviceability, Long-Term-Low-Cost, Un-Matched

With Vanguard Industrial diesel engines, in **Cold** or **Hot** water versions diesel fired heater, and an attitude Towards removing "that which **must** come off the surface." These systems are modular in design for simplistic configuration, better trailer balance and serviceability. No machine compares in "**Long term low cost**", **Ease of Maintenance**, or **Serviceability**... Our **Engineering** and **Service** departments **work together**. You will be **Impressed, Long-term**.

Beckett Burners provide the heat to the Industries most efficient heaters in their Class. These Modular configurations have the most accurate controls and safety devices in this industry

Reliable, easy starting – industrial duty Vanguard-Daihatsu Diesel engines come with low oil shut down, overheat protection and a solid 2 year Warrantee

Cabinetry in optional... Ultra-Quiet operation and "severe" weather proofing are available in stainless steel, aluminum, or powder coated steel frame with beefy ABS panels... Have it your way!

All **BullDogPRO™** Frames are Sandblasted, Primed and Powder Coated for the look and durability you want

System is shown with many options and many more are available

We Specialize in Custom Systems

Easy access oil drain for quick oil changes and improved maintenance



Convenient throttle controls and electric start are standard

Beefy Rubber Feet absorb vibration for smooth operation and long life and include mounting hardware

Fuel Cell shown, was a Custom order with quick change manifold fuel cells alloy, are available in dozens of types, shapes and sizes, Plastic and Metals, many with QC's for easy removal

Industrial Grade, heavy duty triplex pump systems with forged brass head, bronze rods, large oil bath and ceramic plungers are all about durability. We add high flow feed lines, high capacity clear bowl filter assemblies, free flowing corrosion resistant fittings, and high volume bypass system for abusability. All systems over 7 gpm incorporate dual pumps, for durability, lower cost seal kits, and easier to feed fluid dynamics all lend to longer term lower cost.

COLD VERSIONS	GPM	PSI	HP	HOSE
SCD 5 - 4000	5.0	4000	18	50 ft R2
SCD 5 - 4000	5.0	4000	18	50 ft R2
SCD 6.5 - 4000	6.5	4000	23	50 ft R2
SCD 5 - 5000	5.0	5000	23	50 ft R2
SCD 7 - 4000	7.0	4000	26	50 ft R2
SCD 7 - 5000	6.5	4000	26	50 ft R2
SCD 5 - 6000	5.0	6000	26	50 ft R2
SCD 10 - 4000	10.0	4000	34	50 ft R2
SCD 7 - 6000	6.2	6000	34	50 ft R2

HOT VERSIONS	GPM	PSI	HP	HOSE
SHD 4 - 3500	4.0	3500	10	50 ft R2
SHD 5 - 4000	5.0	4000	18	50 ft R2
SHD 6.5 - 4000	6.5	4000	23	50 ft R2
SHD 5 - 5000	5.0	5000	23	50 ft R2
SHD 7 - 4000	7.0	4000	26	50 ft R2
SHD 7 - 5000	6.5	4000	26	50 ft R2
SHD 8 - 4000	8.0	4000	26	50 ft R2
Many other combinations are available... Call !				
and... They'll run on JP Jet Fuel too !				

Sirocco and VacuBerm are quality products manufactured by **Cleaning System Specialists, Inc.** dba www.Pressurewasher.net
BullDogPRO™ Water Blasters.....www.PressureWasher.net

Distributed By

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Cold Water Pressure Washers – Gas Driven Engine

- Reliable Industrial Duty Engines
- 5 year Warranty on all Pumps
- E-Z Pull Starting
- Compact, Efficient & Portable
- Performance Options Available
- Hi-Output Systems Available

Belt Drive Versions & many other configurations are also available !

Easy pull Trigger gun provides hours of fatigue free cleaning

Beefy easy access filter protects pump from damaging debris in the water

90% of Pump failures are due to overheating seals in bypass....
Our 60" Bypass Loop eliminates overheating

BullDogPRO™ Water Blasters are the toughest pressure washers on the market built specifically for the demands of professional users. Powered by continuous duty Honda, Vanguard or Subaru engines, all **BullDogPRO™** Systems feature premium tri-plunger, oil bath pumps plumbed for reliability and long term low cost. For serious cleaning, you need serious equipment. There's only one choice – The **BullDogPRO™**

High pressure hose is rated to the highest standards for secure cleaning

Ultra-quiet low tone muffles are always helpful. Ask for Kohler or Briggs version

Industrial grade, tri plunger, oil bath Annovi Reverberi high pressure pump with forged brass head and ceramic pistons for extra durability and long life

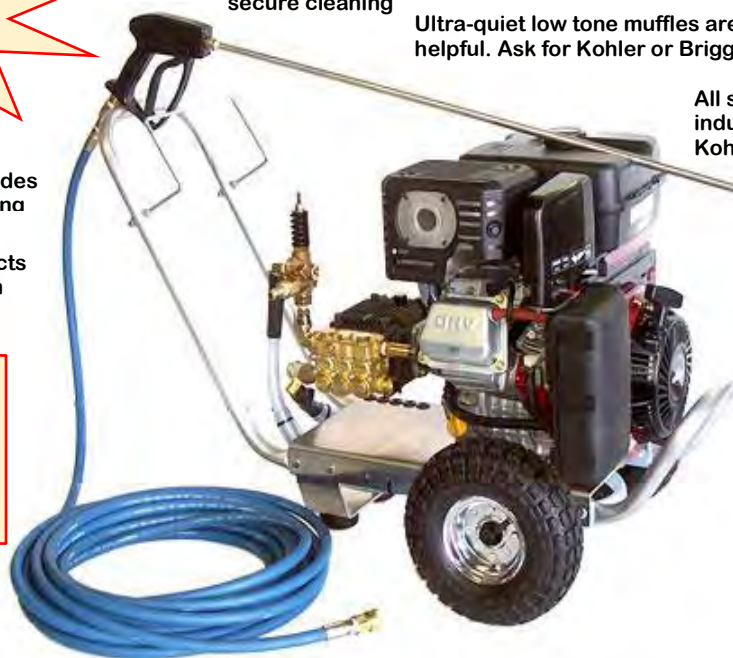
All systems powered by ultra-reliable industrial duty Honda, Vanguard, Kohler or Subaru engines

Easy access oil drain plug for quick oil changes and improve maintenance

Convenient lifting bar for easy hoisting of unit into trucks or trailer beds

Rugged 2-ply tubed Pneumatic Tires absorb vibration and maneuver easily on all terrains

Electric Start is Available, and many other Options too!
Please Specify for quote!!



For extra Long bypass times ask for the Float Tank Option shown here



Model	GPM	PSI	HP	Hose
PCG 4 - 2500	3.5	2500	7	25 ft R1
PCG 4 - 3200	4.0	3200	9	50 ft R2
PCG 3 - 4000	3.0	4000	9	50 ft R2
PCG 4 - 4000	4.0	4000	13	50 ft R2+
PCG 5 - 4000	5.0	4000	16	50 ft R2+
PCG 4.5 - 4400	4.5	4400	16	50 ft R2+
PCG 5.5 - 4000	5.5	4000	18	50 ft R2+

Also see our **Belt Drive** versions for up to **7000 psi**.
Skid mount versions and **Heaters** are available too.

Sirocco and VacuBerm are quality products manufactured by Cleaning System Specialists, Inc. dba www.Pressurewasher.net

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#SGV3 Performance Vacuum Reclaim system w/VacuBerm™



Long-Term-Low-Cost
is Simple,
Serviceable,
and Performance
for the **Dollar...**

Our Equipment WORKS so
you can do the Job.

SGV3-16 shown with optional
surface cleaner

SGV3-16 Engine Driven Vacuum

16 hp Vanguard industrial Engine with **electric start**, low tone muffler and all the beef...

3006 Tuthill hi-lift vacuum Blower for **350 cfm's to 16"Hg lift !**

20" x 36" skid frame with vibration isolators, Hi-flow silencer system,

2 ½" x 5 ft. vacuum connect hoses (hi-temp)

with **cam lock** couplers... **nice !!!** patents pending !

Waste Tank system

D.O.T approved 30gallon drums

Sand blasted, **primed and hi-temp. powder coated**,
with **slide-out** Pre-filters, and **Auto pump** out included.

Vacuum Hoses

50 ft. x 2"i.d. crush resistant Xtra heavy duty
with 2" end cuffs and **cam lock** couplers at the waste tank.
also available in 75ft or 100ft pieces

SandSnake

4 ft. long sand bags... beefy 30 mil plastic just add the sand,
Place end to end to **corral wash water** in parking lot application.

VacuBerm

4 ft. long, abrasion resistant PVC for wash water control

Multiple VacuBerms can be connected together

Also available, 6 ft. version!

Hard Surface Vac Wand

14" wide "squeegee head",
and replaceable squeegee blades. You'll be glad we threw this in. !!!

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Sirocco™ # **SGV4-29efi** Extreme series Vacuum Reclaim System



shown with **optional** vacuuming surface cleaner and VacuBerm

...You want **4 hoses** reclaiming wash-water from **400 ft** in each direction?... Here it's at **HALF PRICE** of the competition. **AND twice** the efficiency **AND half** the weight !
..We own the patents.

engine unit only. NO accessories..

Vertical frame footprint 20"x 23" add

#**SGV4-29efi** Engine Driven Vacuum with 29/26.5 Hp Kohler EFI industrial engine with electronic Fuel injection, low tone muffler and all the beef...

#**4" Sutorbilt** hi-lift vacuum blower for **500 cfm's** ! Hi-flow silencer system, With Hi-flow silencer system, skid frame with vibration isolators dimensions: 20" x 36" x 34"

Waste Tank system # 9270-30WasteTankAPO2 dimensions: 20"dia. x 35"h
D.O.T approved 30gallon drums, seriously waterproofed.. stainless tanks available ! **2 each**
Sand blasted, **primed and multi-stage** powder coated, **stainless** hardware, with **slide-out** Pre-filter, and **Auto pump** out included. (...requires 115vAC 1500 watts) and 2 each **2.5"x 5 ft.** vacuum connect hoses (hi-temp) and **cam lock** couplers.

Vacuum Hose 100 ft. x 2"i.d. crush resistant **Xtra** heavy duty # 7300-200V/100-RD **1 each**
with 2" end cuffs and **cam lock** couplers at the waste tank. also available in 75ft or 100ft pieces

SandSnakes 3ea 4 ft. and 3ea 18" long sand bags.. beefy 30 mil plastic #SandSnake18, 48 **6 each**
just add the sand, and place end to end to **corral wash water** in parking lot application.

#**SiltFilter48** 48" & 24" fiber pad keeps your VacuBerm from being clogged by sand **2 each**

#**PuddleSucker** This 8" square reclaim tool can suck up to 40gpm ..easily. **1 each**

#**ChokerValve** This keeps one tool from leaching all the suction from another tool in use. **1 each**

Hard Surface Vac Wand 14" wide "squeegee head", # 9406-HSVwand **1 each**
and replaceable squeegee blades.. You'll be glad we threw this in. ! with the 2" hose cuff x tool adapter.

VacuBerm #VacuBerm48
4 ft. long, abrasion resistant PVC for wash water control
Multiple VacuBerms can be connected together. 6 ft. version also available !

Distributor

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SWEEPSTER

WSP24 Walk Behind Sweeper

Uses

**Street
Parking Lot
Driveway
Sidewalk
Turf**



Options



Hopper



Snow Blade

Features

**24" (60cm) Wide Brush makes fast work of large areas
14" (350mm) Diameter Brush Sweeps up to 5" (15cm) deep material
133 lbs. Lightweight for easy handling
Self-Propelled for easy Operation
One Forward and One Reverse Speed
Adjustable handle for comfortable Operation
Easy to Operate Clutch for Brush and Traction Control
Brush Angles easily from Handle Bars
Big 3.00 x 4 Tires for traction in Snow & on Turf
Ground Speed 2 mph (3 kmh) covers large areas quickly
350 rpm brush Speed sweeps large accumulators of snow, thatch and debris**

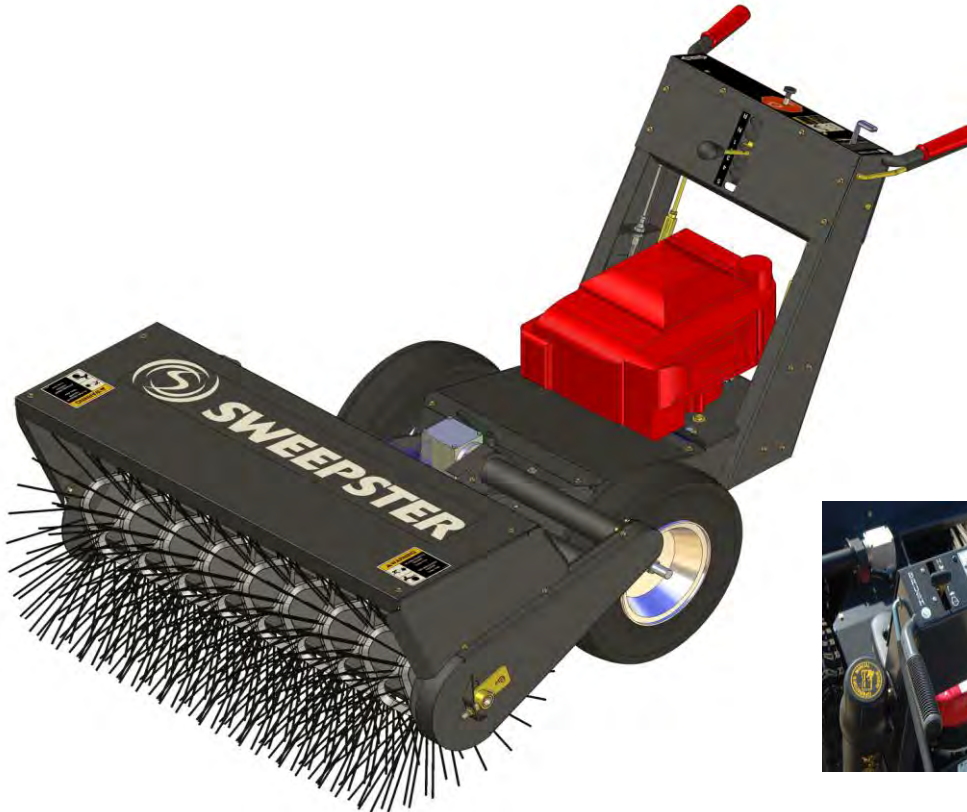
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WSP36 Multi Speed Walk Behind Sweeper



Features

67"L x 42"W x 35"H – 274 lbs.

Infinitely Adjustable Angling from 20" Right & Left for variable conditions

Powerful Honda OHV 6XV16 Engine – Meets EPA SNRE PH2 2007 & CARB Tier 2 2006 Criteria

Two Brush Speed ranges for variable conditions

Five forward Speeds, Neutral and Reverse

Differential Drive for Two-Wheel traction and ease of turning

Complete Fill Brush for no-streak sweeping

Balanced Unit eliminates need for casters to sweep

Solid handle Bars with cushioned grips for comfortable operation

Brush Hood covers 125" arch

Powder-Coated for durability

Distributor

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