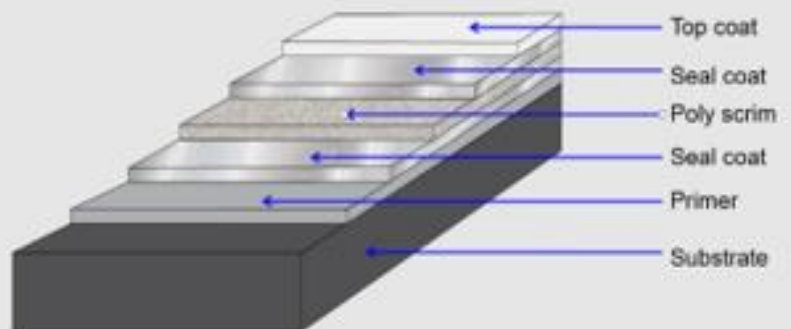


# PRO-SEAL®

## Pro-Seal UreFlex® Nano System Utility Room Containment Barrier System

WARRANTIES AVAILABLE FROM 5 TO 30 YEARS



Pro-Seal's System contains Zero V.O.C.'s (Volatile Organic Compounds)  
*Fluid Contaminant Extractant,*

# Pro-Seal UreFlex<sup>®</sup>

## The Green Liquid Barrier System



**Pro-Seal DP 36<sup>®</sup>** is a single component reactive osmotic reagent that extracts fluids, seals negative side, densifies, hardens, and reduces vapor drive in most concrete substrates.

*\*Polycarbon/polycarbonate integrated Nano technology.*

- NSF 61 Certified (request documents)
- No V.O.C.
- Leaves a clear natural finish with no film or membrane on the surface
- Provides a prepared surface for better bonding of concrete toppings, coatings, mastics, and paints
- Extracts fluid contaminants from the in-situ structures of concrete
- Forms a hydrostatic barrier in concrete that greatly reduces vapor drive
- Gives concrete some waterproof characteristics.

### Technical

Information	Value
Material	1 Part
Mix Time	N/A
Appearance	Liquid
Cure Time	48 hours walk able
Full Cure	14 days
Freezing Temp	32°F
Boiling Point	212°F
Flammability	None
Environmental Hazards	None
Shelf Life	2 Years when stored properly
Packaging	1, 5's and 55 gallons

**Technical Support:** Contact our technical department at 800.349.7325, [information @](#)

[prosealproducts.com](http://prosealproducts.com) or visit our website [www.prosealproducts.com](http://www.prosealproducts.com) for additional information

### Specifications

Concrete Specimens Tested as Follows		
ASTM	Data	Value
C 67 Section 7	Decreased Absorption	25%
C 67 Section 14	Decreased Suction	35%
C 67 Section 10	Efflorescence	None
C 67 Section 6	Compressive Strength	@ 8 Days +15%
C 67 Section 6	Compressive Strength	@ 31 Days +23%
C 156	Concrete Curing Against Hairline Cracking & Spot Drying	Significant Improvement
C 666	Freeze-Thaw Damage	75% Improved Resistance
C 666 using 5% NaCl	Salt Attack in Presence Of Moisture	60% Improved Resistance
ORF Method	Dusting Due to Abrasion	100% Improved Resistance

\* Data based on laboratory tested materials.

### Applications:

Concrete on Grade, Below Grade, Negative Side and Vertical or Horizontal applications *\*Intended for use on concrete only. Test pigmented surfaces for appearance results prior to application. The user must determine acceptable applicability to pigmented surfaces. Keep away from glass. Always apply a test patch before application. Pro-Seal DP-36<sup>®</sup> will not bridge cracks, voids, or gaps. Use only on intended surfaces, protection of property required.*

### Application Instructions (guide only):

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



Surface must be clean and free of all loose particulate and bond-breaking matter. Wet area with de-ionized water and leave no standing water. Apply at an average coverage rate of between 600 and 800 square feet per gallon using a low-pressure sprayer. Wait for 48 hours, and then apply the Pro-Seal® specified system. Contact technical for site application information and guide specifications.

### Primer System

**Pro-Seal Prime Flex III®** is a two-component primer for concrete and other manufacturer approved substrates. This product is used to prime substrates for Pro-Seal's® seamless, monolithic, liquid applied coatings and membranes.

*\*Polycarbon/ polycarbonate integrated Nano technology.*

- Primer coat of a seamless, monolithic, system
- Can be used on concrete or other substrates where dampness occurs
- Easy to apply with great adhesive quality
- Utility room chemical liquids and water barrier primer

### Applications on concrete:

- Utility rooms floors
- 
- Industrial floors
- chemical resistant roofing
- machine room floors
- lunchrooms
- walls
- interior decks
- walking bridges
- exterior decks
- and much more.

### Application Instructions:

Surface must be clean and free of all loose particulate and bond-breaking matter. For specific application instructions or guide specs, contact technical at USA/ Canada,

800.349.7325, Int'l +1 206 451 9527 or [information@prosealproducts.com](mailto:information@prosealproducts.com)

### Technical *\*When stored at 75°F*

Information	Value
Material	2 parts
Mix time	2-3 minutes
Appearance	Slightly amber
Coverage rate	200-300 ft <sup>2</sup> /gallon
Pot life @ 77°F / 50% rh	2-3 hours
Cure time recoat	6-12 hours
Cure time complete	96 hours
Solids	26% x 24% weight x volume
Specific gravity	1.3
Stain resistance	Very good
Shelf life	12 months*
Packaging:	2 part kits

### Chemical Resistance

Cured Material		Rating
Alkalizes Spillage		Good
Alkalizes Splash		Good
Solvents Fumes		Fair
Solvents Spillage		Poor
Solvents Splash		Fair to Poor
Fuel		Good
Glycol		Good
Water Splash		Excellent
Water Immersion		Excellent

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### Specifications

Test	Data	Value
ASTM D 695	Compressive strength 50% humidity 70°F 4:1 aggregate to res	2,800 psi
ASTM D 1706	Cured hardness	N/A
ASTM D 638	Tensile strength	900 psi
ASTM D 1002	Elongation	<2%
ASTM D 2566	Cure to shrinkage	0 inches
FST 141A method 4291	Viscosity mixed 2 part	80 cps
Mixing ratio	80% humidity 70°F	1:3 volume

\* Data based on laboratory tested materials.



2. Apply Pro-Seal 34 caulking/sealant, above, to all transitions horizontal to vertical, pipe stands, through holes and all joints to be flashed; (see site specifications).



3. Apply Pro-Seal FlashGuard Tape, above, on center along all transitions horizontal to vertical transitions, pipe stands, through holes and all joints or other being flashed; (see site specifications).

4. Fill Pro-Seal FlashGuard Tape with Pro-Seal Deck Flex HT®, below, along all the transitions, horizontal to vertical pipe stands, through holes and all joints or other to be flashed. (see site specifications).

### Priming a Concrete Surface

1. Prime, below, the, clean, properly prepared, surface free of stains, dirt, or other unwanted bond breaking mediums. Apply Pro-Seal PrimeFlex III® at the specified coverage rate. Allow Pro-Seal PrimeFlex III® to cure to a walkable state, approximately 6 to 12 hours, dependent upon ambient temperatures and humidity. (see specification for site).



# Pro-Seal UreFlex®

## The Green Liquid Barrier System



**Pro-Seal 34** flashing caulk, seals; dry, wet, damp surfaces. Elongates 1200% plus and stretches across elongation 350 % plus to significantly reduce membrane failure due to flashing failure.



Available in five (5) colors: Clear (glass clear), White Grey, Black and anodized brown.

**Pro-Seal 34®** is a single component M34 elastoplastic, sealant material. Pro-Seal 34® stops leaks and seals on contact even through water and oil! Pro-Seal 34® is gun-able from 38°F to 98°F and may be applied to surface temperatures ranging from -70°F to +220°F. \*Polycarbon/polycarbonate integrated Nano technology.

- Seals through rain & moving water
- Never gets hard or brittle
- 1200% elongation
- 350% stretch
- 2-year shelf life
- 6-month open tube life
- Paintable upon application
- NSF 61 certified when use in a Pro-Seal Positive Side® or Negative Side Repair®

Contact technical for site specific specifications for details of site-specific instructions for the applications of this material.

### Uses:

- Deck, Roof & Floor Transition Flashings
- Home Repairs
- HVAC
- Plumbing
- Roofing
- RV's
- Boat's
- Trailer's
- and much, much more!

### Applications Adhesion Surfaces:

- Galvanized metal
- Plaster
- Wood
- Aluminum
- Stone
- Concrete
- Vinyl, PE, & Teflon
- Boats
- Recreational Vehicles
- and more.

*\*Not intended for decorative trim seals such as hot tubs, showers, toilet, millwork, or other decorative trim seals.*

### Application Instructions (guide only):

Surface must be clean and free of all loose particulate and bond-breaking matter. Do not use solvents (MEK, Acetone, Xylol, etc.) use Pro-Seal BS 309® as cleaning agents on application area. Cut tip to desired bead width and apply a continuous bead using a caulking gun and tip pressure. Use a soap solution as a tooling lubricant. For cleaning tools after application is complete, use Pro-Seal DG-7®, Pro-Seal BluGoo® or a solvent. If the product is cured, cut the bulk away before cleaning.

### Technical Support:

Contact our technical department Call USA/Canada 800.349.7325, or Int'l +1 206.451.9527

Email: [information@prosealproducts.com](mailto:information@prosealproducts.com)

Website [www.prosealproducts.com](http://www.prosealproducts.com)

for additional information

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### Technical

Information	Value
Material	1 part
Mix time	N/A
Appearance	Caulking/sealant
Cure time	40 mils/day
Full cure	72 hours
Specific gravity	1.096
Elongation	1200%
Stretch	350% across
Shrinkage	15%
Viscosity	1.0 paste
Colors:	Clear, black, brown, white, gray
Packaging:	10.2 oz. Tube or 1, 5's and 55 gallons

### Specifications

ASTM C 920; Type S, Class 25		
Test	Data	Value
ASTM C 661	Cured hardness	≥15 shore A
ASTM C 603	Extrusion rate	15 seconds
ASTM C 679	Tack free time	72 hrs.
ASTM C 510	Stain /color Change	None

FED SPEC TT-S-00230 C FED SPEC TT-S-001543A		
Test	Data	Value
ASTM C 920 FED SPEC TT-S-00230 C	Vertical & horizontal slump	Passes
FED SPEC TT-S-001543A	Discolor change	None

### Coverage

Joint size	Linear Feet / Tube
1/8"x1/8"	106.4
1/8" x 1/4"	53.2
1/8" x 3/8"	35.4
1/8" x 1/2"	26.6
1/8" x 5/8"	21.3
1/8" x 3/4"	17.7
1/8" x 7/8"	15.2
1/8" x 1"	13.3
1/4" x 1/4"	26.6
3/8" x 3/4"	6.0
3/8" x 7/8"	5.1
3/8" x 1"	4.4
1/2" x 1/2"	6.7
1/2" x 5/8"	5.4
1/2" x 3/4"	4.4

### Cautions:

Keep out of reach of children. May cause skin or eye irritation. This product may be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions. Do not run beads greater than 1/2" x 1/2" per application. In joints where greater bead size is required, multiple applications will be necessary. If gassing breaks or cracks occur, simply remove particulate, dirt, and apply more Pro-Seal 34® as it adheres to itself. Shelf life is based on the date of manufacturer of batch number.

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



Pro-Seal ProGun®

Try the unique, lightweight, durable Pro-Seal® frameless caulking gun, above, Pro-Seal ProGun® for ease of application and less clean up post caulking application. The Pro-Seal ProGun® will make it easier to get into those tight and difficult to reach sealing spaces.

**Pro-Seal Flash Guard Tape®**, right, is a single component peel-and-stick flashing tape and seal reinforcement material that is supplied as a rolled-good.

*\*Polycarbon/polycarbonate integrated Nano technology.*

- Easy to install use with Pro-Seal 34 in flashing system
- Provides Instant grip to a large variety of substrates
- Easily cut into any shape or length
- Fleece backing for coating, sealer, or membrane adhesion
- Self-adhering
- Seals on contact
- Conforms to almost any shape

### Technical Support:

Contact our technical department at USA/Canada  
800.349.7325, Int'l +1 206.452.9527  
Email: [information@prosealproducts.com](mailto:information@prosealproducts.com)  
Website: [www.prosealproducts.com](http://www.prosealproducts.com)

### Applications:

- Flash
- Cracks
- Joints
- Penetrations
- Pipes
- Parapet walls
- Roofing
- HVAC ductwork
- Flashings
- Railways
- Metal roofs
- Flash unlike substrates
- Through holes and more.



**Pro-Seal Flash Guard Tape®** (Pro-Seal 34® caulking sealant material applied to a fleece backing for ease of flashing application) is used with Pro-Seal 34® caulking to create a water tight, flexible, durable flashing seal that has mobility and flexibility to avoid flashing failure.

**Pro-Seal 34®** is first applied to joints, cracks surface transition or other movement anomalies just prior to placing **Pro-Seal FlashGuard Tape®**, on center, over the Pro-Seal 34®. Fill the Pro-seal FlashGuard Tape with Pro-Seal Deck Flex HT, over brushing the outside edges onto the substrate by two inches, when placing a Pro-Seal® seamless, joint free, monolithic, waterproofing or contaminant resistant membrane coating. Contact Pro-Seal technical for site guide specifications, guide sketches and/or for site specific application instructions.

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### Technical

Information	Value
Material	1 Part
Mix Time	N/A
Appearance	Rolled-Good
Application Temp.	35°F To 220°F
Service Temp.	-20°F To 180°F
V.O.C.	None
Flash Point	N/A
Tensile Strength	570 psi
Peel Strength	10 lbs. / Linear Inch
Color	White & Gray
Solids	100%
Packaging:	4" X 50' Roll, 6" X 50' Roll or 12" X 50' Roll

**Cautions:** Keep out of reach of children. May cause skin or eye irritation. This product may be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions. Do not run beads greater than ½" x ½" per application. In joints where greater bead size is required, multiple applications will be necessary. If gassing breaks or cracks occur, simply remove particulate, dirt, and apply more Pro-Seal 34® as it adheres to itself. Shelf life is based on the date of manufacturer of batch number.

**Deck Flex HT®** is a single component non-gassing, build-up coating for concrete and other manufacturer approved substrates applied over cured Pro-Seal DP-36® and Prime Flex III® priming system.

*\*Polycarbon/polycarbonate integrated Nano technology.*

**Application Instructions (guide only):** Surface must be dry, clean, and free of all loose particulate and bond-breaking matter. For specific application instructions or guide specifications, contact us at USA /Canada 800.349.7325 , Int'l +1 206 451 9527 or Email:

[information@prosealproducts.com](mailto:information@prosealproducts.com)

### Fe Features:

- Part of a seamless, monolithic, coating/membrane barrier system
- Multiple coats may be applied within 6-12 hours of each other
- Provides a tough durable finish that stops intrusion from water, most contaminant fluids and grease
- Designed as a wear resistant, protective barrier from fluid egress into substrates and /or occupied spaces
- Resistant to gasoline, motor oil, anti-freeze, diesel fuel, and many other aggressive materials
- May be used for other authorized applications.

### Applications:

- For use on concrete such as:
  - utility rooms
  - containment troughs or tanks
- For use on wood and wood Decks
  - when used with proper primer and flashing materials
- For use on metal and metal decks
  - when used with proper primer

### Technical

Information	Value
Material	1 part
Mix time	None
Appearance	Tan or gray
V.O.C. content	160 gallon/liter
Coverage rate	60 ft <sup>2</sup> /gallon/coat
Dry film time	3½ - 4 hours 30 mils
Cure time recoat	6-12 hours
Cure time complete	96 hours
Stain resistance	Very good
Weight	10 lbs. /gallon
Storage indoors	40°F-70°F
Packaging:	5 gallons



# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### Specifications

ASTM	Data	Value
D 412	Ultimate elongation	828%
D 412	Tensile strength	979 psi ±6.7 n/mm <sup>2</sup>
D 471	Water absorption	< 1% x wt
C 501	Abrasion resistance Cs-17-wheel 1,000 rev 1,000 gm/wt.	No change In weight
C 501	On metal: 30 mil dry film 4"x4" (10cm x 10 cm)	No change In weight
D 1004-66	Tear resistance	225 pli. ± 7.0
D 903	Adhesive peel plywood	Cohesive failure
D 1004-66	Perpendicular bond strength on plywood	223 pli. ± 3.0 4 test groups
D 2369	Solids content	89% ± 3.0 weight 83% ± 3.0 volume
E 96-66	Moisture vapor transmission	3.6 perm ± .06
E 96-66	15 mil dry film cured 7 days at 77°F 50%rh	3.6 perm ± .06
E 96-66	30 mil dry film cured 7 days at 77°F 50%rh	2.1 perm ± .06
Brookfield viscometer	Viscosity	60 ± 10cps

### Features

- Pro-Seal Deck Flex HT®, easy to apply, no mixing required, just a quick stir and it is ready to go.
- Pro-Seal Deck Flex HT® build-up coats may be sprayed, rolled, troweled, squeegeed, or brushed on over Pro-Seal PrimeFlex® primers.
- Cures in 6 to 12 hours for light traffic based upon ambient temperatures and humidity.

### Chemical Resistance as part of entire Pro-Seal ALHT System®

ASTM D 2299	
Cured material	Rating
Distilled h <sub>2</sub> o	No effect
Kerosene	No effect
Anti-freeze	No effect
5% ammonia	No effect
Paint thinner	No effect
20% detergent	No effect
20% salt solution	No effect
Gasoline	Slight swelling
Diesel fuel	No effect
Motor oil	No effect

\* Data based on laboratory tested materials

### The Build Up Coat

The basics; Applying the build-up base coat(s)

1. Apply the first base coat over the prepared clean, dry, and primed substrate. (see site specifications for correct millage and coverage rates).
2. Apply additional base coats over the prepared clean, dry, previous base coats, within 6 to 12 hours of previous application. (see site specification for correct millage and coverage rates).



# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### The Topcoat

**Pro-Seal UreFlex AL®** is a single component top coating for the Pro-Seal ALHT System® used on concrete and other substrates. This product is an integral component of the Pro-Seal ALHT System® *\*Polycarbon/polycarbonate integrated technology.*

### Features

- Part of a monolithic system
- Multiple coats may be applied within 6-12 hours of each other and no peeling will occur
- Provides a tough durable finish that stops intrusion from dirt, grease, water and other fluids
- Designed as a wear resistant protective shield from traffic and other wear

### Applications

- Concrete: Parking decks, Industrial floors, Walkways, High traffic work areas, Decorative entries and more.
- Wood Decks (when used with proper primer)
- Metal Decks (when used with proper primer)

### Application Instructions:

Surface must be clean and free of all loose particulate and bond-breaking matter. For specific application instructions or guide specifications, contact us at 800.349.7325 or [information@prosealproducts.com](mailto:information@prosealproducts.com)

### Technical Support:

Contact our technical department at USA/Canada 800.349.7325, Int'l +1 206 451 9527 [information@prosealproducts.com](mailto:information@prosealproducts.com) or visit our website [www.prosealproducts.com](http://www.prosealproducts.com) for additional information.

### Technical

Information	Value
Material	1 part
Mix time	None
Appearance	Tan or gray
Coverage rate	100-125 ft <sup>2</sup> /gallon/coat
Dry film	3.5-14 mils
Temperature service	-50°F to 180°F -45°C to 80°C
Cure time recoat	6-12 hours
Cure time complete	96 hours
Pot life	45 minutes
Flash point	120°F
Stain resistance	Very good
Spread rate	100 ft <sup>2</sup> /gallon @ 10.5 mils
Weight	9.6 ± .2 lbs
Solids	78%
Packaging:	5 gallons

### Application basics

1. Apply one or more topcoats of Pro-Seal UreFlex ALHT via spray on, roll on, squeegee on, trowel on or brush on. (see site specifications for number of coats and millage or coverage rates).
2. Apply additional coats as required and/or specified waiting 6 to 12 hours between coats.
3. If job site conditions change or other application issues develop, immediately contact Pro-Seal's Technical department.

# Pro-Seal UreFlex®

## The Green Liquid Barrier System



### Chemical Resistance

Cured material	Rating
Distilled h <sub>2</sub> O	No effect
Kerosene	No effect
Anti -Freeze	No effect
5% ammonia	No effect
Paint thinner	No effect
20% detergent	No effect
20% salt solution	No effect
Gasoline	Slight swelling
Diesel fuel	No effect
Motor oil	No effect

### Applying the Topcoat



**Specific project site warranties** are available from the manufacturer based upon application by a Pro-Seal authorized applicator on Pro-Seal approved authorized projects in consideration of the merit of each individual project. All extended warranties are at the sole discretion of the manufacturer. warranties that are granted are based upon certain qualifying characteristics of a job site and job site conditions. This product system has a variety of warranties available for up to 30 years. Contact the manufacturers technical department at 800.349.7325 when an extended warranty is desired for more information.

### Specifications

Test	Data	Value
ASTM D 412	Tensile strength	2,680 psi ± 50
ASTM D 412	Elongation	200% ± 10%
ASTM D 471	Water absorption	.01 wt. ± .02
ASTM D 903	Adhesive peel on primed concrete	215 pli ± 5 4 test groups
ASTM D 1004	Tear strength	195 pli ± 7 4 test groups
ASTM G 23 ASTM D 1499	Weather-o-meter 2,000 hours	No spalling or softening no surface cracking
ASTM D 2240	Shore hardness	92 shore A
ASTM D 2369	Percent solids	81% ± 3 x weight 75% v 3 x volume
ASTM D 4060	Taber abrasion resistance cs-17 wheel 1,000 rev 1,000 gram/weight	No weight change
ATM E 96-66	Moisture vapor transmission	.6 perms ± .2 4 test groups
Brookfield Viscometer	Viscosity	20 cps

\* Data based on laboratory tested materials.

**Limited Warranty:** We warrant our product to be free of defects in material and workmanship; and to be in accordance with our company quality control standards. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee, or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for the user's own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only.

**Pro-Seal UreFlex®**  
The Green Liquid Barrier System



We Seal the World ...



Keeping it Green ...

**PROSEAL®**

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