



RIPTIDE MARINE

RIPTIDE S 3000 BASE COAT

KQ0300100 BLUE - PRIMER
KQ0300200 LIGHT GRAY - BARRIER COAT
KQ0300600 WHITE - BARRIER COAT

Revised: October 28, 2024

PRODUCT INFORMATION

PL.02

PRODUCT DESCRIPTION

RIPTIDE S 3000 LOW TEMPERATURE EPOXY is an all season marine epoxy that provides outstanding solvent, water and corrosion resistance when applied over a wide range of substrates in a variety of conditions. Because it can cure down to 20°F (-7°C), RIPTIDE S 3000 is an excellent choice when climatic conditions will drop below 40°F (4.5°C) for long periods. This product series has excellent high-build and sanding properties.

RIPTIDE S 3000 Blue (Primer) offers a unique lead and chromate free pigment that makes it ideal for use as a first coat primer over all substrates. The White and Light Gray are recommended as barrier coats only.

PRODUCT CHARACTERISTICS

Finish: Primer: Flat
Barrier Coats: Low sheen

Colors: Primer: Blue
Barrier Coats: White and Light Gray

Volume Solids: 60% ± 2%, mixed, may vary by color

Weight Solids: 77% ± 2%, mixed, may vary by color

VOC (EPA Method 24): <340 g/L; <2.8 lb/gal (reduced up to 2%)

Mix Ratio: 1A:3B by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	6.0 (150)	10.0 (250)
Dry mils (microns)	3.5 (88)	6.0 (150)
~Coverage sq ft/gal (m²/L)	160 (3.9)	275 (6.7)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	962 (23.6)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 8.0 mils (200 microns) wet:

	@ 40°F/4.5°C	@ 50°F/10°C	@ 77°F/25°C
		50% RH	
To touch:	3 hours	2 hours	1 hour
To recoat:			
	RIPTIDE S 3000 Intermediate:		
Minimum:	4 hours	3 hours	2 hours
Maximum:	96 hours	96 hours	72 hours
	Alkyd Intermediate & Topcoats:		
Minimum:	4 hours	3 hours	2 hours
Maximum:	36 hours	36 hours	24 hours

PRODUCT CHARACTERISTICS (CONT'D)

Drying Schedule @ 8.0 mils (200 microns) wet:

	@ 40°F/4.5°C	@ 50°F/10°C	@ 77°F/25°C
To recoat:			
	Epoxy & Urethane Intermediate & Topcoats:		
Minimum:	4 hours	3 hours	2 hours
Maximum:	96 hours	96 hours	72 hours
	Antifouling:		
	While tacky ¹	While tacky ¹	While tacky ¹
Dry to sand:	36 hours	36 hours	12 hours
Sweat-In / Induction:	1 hour	30 minutes	10 minutes
Pot life:	12 hours	8 hours	4 hours

¹ First coat of Antifouling must be applied over the last coat of epoxy while it is still tacky. Tacky is defined as the interval between when the coating is no longer wet (paint ceases to transfer when the surface is lightly touched) and the point where a light touch to the surface no longer leaves an impression.

If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.

Shelf Life: 36 months, unopened
Store indoors at 40°F (4.5°C) to 100°F (38°C).

Flash Point: 56°F (13°C), mixed, may vary with color

Reducer/Clean Up*: PL No. 8 Epoxy Reducer (up to 2% by volume)

*Other VOC compliant reducers may be used in restricted areas. Please consult your local Pro-Line store or representative for specific recommendations.

RECOMMENDED USES

- Marine Primer (interior, exterior, topside or immersion)
- Immersion in fresh, brackish, salt water, chlorinated water
- Marine Barrier and Topcoat

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Existing Epoxy Coatings: SSPC-SP1 Solvent Cleaning then scarify / abrade the surface to ensure proper adhesion.

Immersion Service: SSPC-SP10 Near White Metal Standards

Atmospheric Service: SSPC-SP6 Commercial Blast Standards



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APPLICATION BULLETIN

PL.02

RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
Immersion Service:		
<u>Steel:</u>		
1 ct. RIPTIDE 3000 - Blue (Primer) 2	4.0-6.0	(100-150)
cts. RIPTIDE 3000 White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 1051 Copper-Free OR	3.0-6.0	(75-150)
2 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
<u>Aluminum:</u>		
1 ct. RIPTIDE 4018 Strontium Primer	3.0-5.0	(75-125)
2 cts. RIPTIDE 3000 White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 1051 Copper-Free OR	3.0-6.0	(75-150)
2 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
<u>Aluminum:</u>		
1 ct. RIPTIDE 3000 - Blue (Primer) 2	4.0-6.0	(100-150)
cts. RIPTIDE 3000 White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 1051 Copper-Free OR	3.0-6.0	(75-150)
2 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
<u>Fiberglass:</u>		
1 ct. RIPTIDE 3000 - Blue (Primer) 2	4.0-6.0	(100-150)
cts. RIPTIDE 3000 White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 1051 Copper-Free OR	3.0-6.0	(75-150)
2 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
<u>Wood:</u>		
1 ct. RIPTIDE 3000 - Blue (Primer) 2	4.0-6.0	(100-150)
cts. RIPTIDE 3000 White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 1051 Copper-Free OR	3.0-6.0	(75-150)
2 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
Atmospheric Service:		
<u>Steel, Aluminum, Fiberglass & Wood:</u>		
1 ct. RIPTIDE 3000 - Blue (Primer) 1	4.0-6.0	(100-150)
ct. RIPTIDE White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
1 ct. RIPTIDE 4800 Prothane Polyurethane	2.0	(50)
<u>Other acceptable topcoats:</u>		
• RIPTIDE 4600 Extreme High Gloss Topcoat Epoxy		

APPLICATION CONDITIONS

Temperature:	40°F (4.5°C) minimum, 100°F (38°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative Humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up.....PL No. 8 3000 Reducer

Airless Spray

Pressure.....2400-2800 psi minimum
Hose.....1/4" - 3/8" ID
Tip017"-021"
Filter.....60 mesh

Conventional Spray

Gun.....Devilbiss MBC-510
Fluid Tip.....E
Air Nozzle.....704
Atomization Pressure.....50-65 psi
Fluid Pressure.....10 - 20 psi
Reduction.....As needed, up to 2% by volume

Brush

Brush.....Natural Bristle

Roller

Cover3/8" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted.

ORDERING INFORMATION

Packaging: 1 gallon (3.78L) kits
Weight: 12.51 ± 0.2 lb/gal ; 1.5 Kg/L
mixed, may vary by color

MIXING INSTRUCTIONS

Mix 25% catalyst 8 3000 with 75% resin 8 3000. Optional/ mix in reducer 8 3000 at a 10% ratio to total mix

May also be mixed by boxing or stirring by hand. This method will require a minimum induction time of 30 minutes, even at 77°F (25°C) temperature.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

RIPTIDE MARINE warrants our products to be free of manufacturing defects in accord with applicable RIPTIDE MARINE quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by RIPTIDE MARINE. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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