



Bleed Resistant Base Coat for Smooth Asphalt Surfaces High Elongation - High Adhesion For Professional Use Only

DESCRIPTION

- A high quality, plasticizer free, single component, water-based, 100% acrylic elastomeric coating.
- Designed to provide maximum adhesion and bleed-through resistance over smooth asphalt even in the presence of water.
- Designed to tolerate some standing water when reinforced with fabric.
- May be used over smooth or granulated substrates.
- Adheres to most Aluminized coatings (Adhesion should be verified prior to application)
- Formulated to act as a barrier to block discoloration.
- Has the unique ability to "breathe", providing a completely watertight membrane while allowing trapped moisture to escape.

RECOMMENDED USES

Reflex Base Coat is designed as a base coat for application over smooth surface asphalt such as built up and modified bitumen substrates. Reflex Base Coat may be used in low areas and waterways when used in combination with reinforcing fabric. With a suitable top coat, it is an exceptional protective system for asphaltic membranes and an exceptional bleed block for our Wetsuit membrane system. Check with your Neptune Coatings representative for top coat recommendations.

PACKAGING/SHIPPING INFORMATION

Container size	Shipping Class	Reference
5 Gallon pail (18.9 liters)	Class 55	17-RBC-5
55 gallon Drum (208 Liters)	Class 55	17-RBC-55

Neptune Coatings Corporation.

4260 Wagon Trail Avenue ■ Las Vegas ■ NV 89118 ■ USA
 Tel. +1 (702) 410-5500 ■ Fax +1 (702) 410-5889 ■ info@neptunecoatings.com ■

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SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, peeling coating or other foreign matter.

Application

This product may be brushed, rolled or sprayed on a clean, dry surface. In waterways or low areas material should be applied as follows:

- Apply Reflex Base Coat at a rate of 1 gallon/sq.
- Immediately embed a layer of Invisilink fabric in wet coating.
- Immediately apply a further application of reflex Base Coat at a rate of 1 gallon/sq.
- Allow to cure for at least 24 hours.

For details see Equipment Recommendations at the end of this sheet. It is critical that this be allowed to cure for a MINIMUM of 24 hours and even longer in cool or high humidity environments.

Note: Blistering will occur if topcoat is applied over base coat that is not completely dry If any contamination of a thoroughly cured surface occurs, it must be washed with a chemical cleaner before applying subsequent coats. Hand application can be done with squeegee and roller.

Properties

Property	Test method	Result
Tensile Strength	ASTM D2370	100PSI +/- 25
Elongation	ASTM D 2370	980% +/- 25
Perms	ASTM D 1653	3
Solid content by weight	ASTM D 370	65% +/- 2
Solid content by volume	ASTM D 1644	50% +/- 2
Density	ASTM D 370	11.4 lbs / gal
VOC	Method 24	< 50g/liter
Flash Point	ASTM D 1310	> 212 °F
Temperature limit		0°F to 185°F
Low temperature flexibility	ASTM D 522	Passes 180°F Flex over 1/8 Mandrel @ 30°F
Cure time		24 hours depending on temp. & humidity
Dry Time		5 hours at 75°F @ 50% m
Color		Ivory Satin Flat

Shelf life 12 months from date of manufacture based contingent upon storage conditions meet Neptune guidelines.

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ENVIRONMENTAL CONDITIONS

Product should not be applied when the ambient temperature is below 32° F or the temperature will fall to within 5 degrees of the dew point within 6 hours after application. Do not apply in late afternoon if high humidity exists, it may cause high moisture condensation on the surface overnight.

PONDED WATER

- Neptune Coatings warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

LIMITATIONS

Surface must be clean and dry. reflex Base Coat is water based and requires evaporation to cure. Material must cure for at least 24 hours. Low temperature and high humidity will slow the cure process. In these situations, even longer cure times will be necessary. **Note: Blistering will occur if topcoat is applied over basecoat that is not completely dry** Do not apply reflex Base Coat if there is any moisture on the substrate or risk of precipitation. If applied where there is a risk of vapor drive, such as cold storage and refrigerated tank application there must be a suitable vapor barrier. Reflex Base Coat is not intended as a thermal Barrier.

EQUIPMENT

Minimum Requirements:

Brush

- Synthetic Filament

Roller

- 1 1/4 nap roller

Spray

- Standard Contractor gun-no filters
 - Pressure 3000 psi at 2.5-3.0 gal/min
 - Tip .017-.029 reversible, self-cleaning with 4050° fan angle
 - 12-inch wand extension recommended
- 3/8 "line for rated pressure

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to SDS and product labels. More resources are available by contacting Neptune Coatings directly.

To the best of our knowledge all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Neptune Coatings to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Neptune Coatings. We assume no responsibility for coverage, performance or injuries resulting from use. Liability if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY NEPTUNE COATINGS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

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