

Reflex Top Coat W-200

Reflex Top Coat W-200 General Purpose Elastomeric Coating Professional Use Only

DESCRIPTION

- A high quality, versatile plasticizer free, single component, water-based, acrylic elastomeric coating for spray, brush or roller application.
- Designed to provide a long lasting flexible membrane with exceptional resistance to weathering.
- Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood and concrete.
- Has the unique ability to "breathe", providing a completely watertight membrane while allowing trapped moisture to escape.

RECOMMENDED USE

Reflex W-200 is designed as general purpose coating for applications over metal, properly primed single ply and asphaltic surfaces such as asphalt emulsions. Check with your Neptune Coatings representative for primer recommendations.

COLORS

Standard Colors: White, Gray and Tan
Special Colors are available for an additional charge

PACKAGING / SHIPPING INFORMATION

Container size	Shipping Class	Reference
5 Gallon pail (18.9 liters)	Class 55	17-RW2-5
55 gallon Drum (208 Liters)	Class 55	17-RW2-55

Physical Properties

Property	Test Method	Result
Volume Solid	ASTM D1653	55.0 +/- 3%
Weight Solid	ASTM D1644	65.4 +/- 2%
Tensile Strength	ASTM D2370	310 +/- 20 PSI
Elongation	ASTM D2370	315 +/- 20 %
Permeability	ASTM D1653	9 +/- 1
VOC	EPA method 24	< 50 g Liter
Hardness (Shore A)	ASTM D2240	55-60
Viscosity		85 +/- 10 KU
Density		11.9 +/- 1.0 Lbs. per Gallon
Flashpoint		None
Shelf Life (stored between 40° F & 70° F / 4° C & 2° C)		24 months (unopened)
Clean UP		Water

SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter. All wet insulation or foam should be removed and replaced with like materials.

For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

Application

This product may be brushed rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 75°F. Before applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats.

Application properties:

Yield (1 gal to 100 sq ft)	8.8 dry mils
Dry Time (75° F)	90 mins @ 50% humidity
Recoat window	> 6 hours
Complete cure	30 days

COVERAGE RATE

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Apply Reflex W-200 at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils). Surface texture and wind will affect applied mil thickness.

ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. Product must not be applied when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

PONDED WATER

Neptune Coatings Systems 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. Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Reflex W-200 requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended as a thermal barrier.

MINIMUM EQUIPMENT

Brush : Synthetic filament

Roller : 1 1/4" nap roller

Spray : Always use components rated for pump pressures.

- 30:1 fluid to air ratio capable pump
- 2 ½ gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths : (Largest diameter at pump)
 - 3/8" minimum 6ft whip
 - 3/8" minimum I.D. up to 75 feet
 - 1/2" minimum I.D. up to 200 feet
 - 3/4" minimum I.D. over 200 feet
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
 - Reversible self-cleaning type
 - Orifice size of .027 to .039
 - Fan angle of 40° to 50°

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 MSDS and product labels. More resources are available by contacting Neptune Coatings directly.

To our knowledge, all the technical information in this document is true and accurate at the date of publication of this technical data sheet and remain subject to modification without prior notice. The user can contact Neptune Coatings to verify the accuracy of the information before to specify the product or before to order it.

We warranty that our product are compliant with the standards of quality control established by Neptune Coatings. We don't accept any liability regarding the coverage ratio, the performances or any wound resulting from the use of the product. The responsibility of Neptune Coatings if any is limited to the replacement of the product. No other warranty is given by Neptune Coatings directly or indirectly, by legal route or otherwise, regarding the suitability of the product to a given application.