

Reflex top coat HPG

17-RHPG-5
17-RHPG-55

High Performance Grey Coating Professional Use Only

DESCRIPTION

- Highest performance, plasticizer free, single component, water-based, 100% acrylic elastomeric coating for spray brush or roller application.
- Industry leading tensile and elongation properties contribute to an extremely durable and long lasting membrane with exceptional resistance to weathering.
- Formulated utilizing special pigments and biocides to provide maximum UV resistance along with a polymer technology that sets the standard for roof coating resistance to discoloration from dirt accumulation.
- 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 top coat HPG is designed as a protective membrane for most roofing surfaces including galvanized metal, concrete, PVC, Hypalon, EPDM, polyurethane foam and primed smooth and granulated asphaltic surfaces. Check with Neptune Coatings for primer recommendations.

COLORS

Standard colors : Grey
Other colors available : White 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-RHPG-5
55 Gallon Drum (208 liters)	Class 55	17-RHPG-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 ■

Property	Test Method	Result
Volume Solid	ASTM D1653	55.0 +/- 2%
Weight Solid	ASTM D1644	66.0 +/- 2%
Tensile Strength	ASTM D2370	500 +/- 50 PSI
Elongation	ASTM D2370	600 +/- 50 %
Permeability	ASTM D1653	14 +/- 3
Tear Resistance	ASTM D624	133 +/- 3 PSI
Wet Adhesion	ASTM C794	7.6 PLI
VOC	EPA method 24	< 50 g Liter
Low temperature Flexibility (-15°, 1/2 in Mandrel, 1000 hrs weathering)		Pass
Hardness (Shore A)	ASTM D2240	50-55
Tensile Strength (With Fabric)	ASTM D2370	2200 +/- 100 PSI
Elongation (With Fabric)	ASTM D2370	50 +/- 10%
Reflectivity		51%
Emittance		0.90
Viscosity		110 +/- 10 KU
Density		11.1 lbs per Gallon
Flashpoint		None
Shelf Life		12 months*
Clean UP		Water

* from date of manufacture based contingent upon storage conditions meet Neptune Guidelines

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.

Masonry: Allow fresh masonry to cure a minimum of 30 days, prime with PrimeMate.

Metal: Rusty metal must be cleaned with a wire brush and primed with PrimeMate.

EPDM: Prime with PrimeMate, ensure no primer residue remains.

PVC, Hypalon, aged TPO: Prime with PrimeMate.

Polyurethane foam: Apply directly (must be coated within 24 hours of installation).

Granulated Asphalt: Basecoat with Reflex Base Coat.

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Smooth Asphalt: Basecoat with Reflex Base Coat.

Other: For other substrates refer to Neptune Coatings for instructions.

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° C. 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 (1gal 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

Apply Reflex top coat HPG 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 recommend 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 top coat HPW 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 for use as a thermal barrier.

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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.

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 1/2 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 wip
 - 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°

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.

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