

"Reflex Top Coat is a registered trade mark in the United States of America"



# Reflex top coat QS30

## DESCRIPTION

- Quick Set version of High Tensile Acrylic. Can take a rain in as little as 30 minutes after application.
- 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 USES

Reflex top coat QS30 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.

Property	Test Method	Result
Volume solids	ASTM D-1653	55.0 ±2%
Weight Solids	ASTM D-1644	66 ±2%
Tensile Strength	ASTM D-2370	500 ±50 PSI
Elongation	ASTM D-2370	600 ±50%
Permeability	ASTM D-1653	14 ±3
Tear Resistance	ASTM D-624	133 ±3 PSI
VOC	EPA Method 24	< 50 g Liter
Low temperature Flexibility (-15°, 1/2 in mandrel, 1000hrs weathering)		Pass
Hardness (Shore A)	ASTM D-2240	50 - 55
Reflectivity	ASTM C-1549	87%
Emittance	ASTM C-1371	.90
SRI	Calculated	107
Viscosity		110 ±10 KU
Density		11.1 lbs per gallon
Flashpoint		None
Shelf Life (When stored between 40°F and 70°F (4°C - 21°C).		12 months (Unopened)
Clean Up		Water
Fungi resistance	ASTM G21	Passed

Meets ASTM D6083 requirements.

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

**Neptune Coatings Corporation.**

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**COLORS**

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

**PACKAGING/SHIPPING INFORMATION**

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum (208.2 liters)	Class 55
5 Gallon pail (18.9 liters)	Class 55

**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 Neptune Coatings Primer.

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

**EPDM:** Prime with Primemate ER primer/cleaner, 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:** Prime with Reflex Base Coat (bleed blocker).

**Smooth Asphalt:** Prime with Reflex Base Coat (bleed blocker).

**Other:** For other substrates refer to the Neptune Coatings Primer Recommendation table.

**APPLICATION**

This product may be brushed, rolled or sprayed on a clean, dry surface. Material may be applied in thicknesses of up to 50 wet mils in one application. If sprayed, material should be at least 75°F.

**Application Properties**

Yield (1 gal to 100 sq >)	8.8 dry mils
Dry Time (24 wet mils) (75° F)	90 mins @ 50% humidity
Recoat window	>6 hrs
Complete Cure	30 days

**COVERAGE RATE**

Apply Reflex QS30 at the rate of 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 seven days of 50 wet mil application. On marginal days, multiple applications of thin coats can ensure proper drying before heavy rain or overnight freezes.

**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

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## 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 QS30 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.

## 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.

## EQUIPMENT

Minimum requirements:

**Brush:** Synthetic filament

**Roller:** 1¼" nap roller

**Spray:**

- 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 6 ft 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°
- Always use components rated for pump pressures

### Disclaimer:

Purchaser's sole and exclusive remedy against the manufacturer of Reflex top coat QS30, shall be limited solely to the replacement of defective material or a payment by the manufacturer in the amount equal to the cost of the original material.

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 warrant that our products 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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