



3990 HIGH BUILD ACRYLIC ELASTOMERIC ROOF COATING

DESCRIPTION	A water-based, acrylic, fibered elastomeric roof and wall coating.
USES	Recommended for rustproofing and weatherproofing of clean metal roofs and concrete/masonry walls and roofs.
APPEARANCE	White.
RECOMMENDED PRIMER	5269 Red and 5281 Gray Acrylic Primers (required only for sound rusted metal surfaces)
RECOMMENDED TOPCOATS	None
PHYSICAL PROPERTIES (Calculated values are shown and may vary slightly from the actual manufactured material)	
RESIN TYPE	Water-based acrylic elastomeric
PIGMENT TYPE	Titanium Dioxide, Zinc Oxide and Calcium Carbonate
SOLVENTS	Ethylene Glycol, Ammonia
WEIGHT PER GALLON	11.1 lbs.
SOLIDS BY WEIGHT	63%
SOLIDS BY VOLUME	51%
VOLATILE ORGANIC COMPOUNDS	260 g/l (2.2 lbs./gallon) Maximum (Industrial Maintenance Coating)
RECOMMENDED DRY FILM THICKNESS	16.0 mils
WET FILM TO ACHIEVE DFT	32 mils
THEORETICAL COVERAGE	818 sq. ft.
PRACTICAL COVERAGE @ RECOMMENDED DFT	2 gal. per 100 sq. ft. Over corrugated and irregular surfaces, allow for additional surface area by multiplying square feet by 1.15.
DRY TIMES @ 70° - 80°F (21° - 27° C) AND 50% RH	
FOOT TRAFFIC	24 hours
RE-COAT	6-8 hours
FULL CURE	24 hours
SHELF LIFE	2 years. (Protect from freezing)
PACKAGING	5 gallon pails

SURFACE PREPARATION
CLEAN METAL SURFACES

Remove all debris, dust, dirt, and loose gravel by sweeping with a stiff broom or power cleaning equipment. For surface areas having grease or oil deposits, Rust-Oleum 3599 Industrial Pure Strength® Cleaner/Degreaser should be used as a pre-cleaning preparation. Any rusted metal surfaces or fasteners, flaking or peeling paint should be wire brushed or scraped (SSPC-SP-2) or removed by mechanical power equipment (SSPC-SP-3).

Entire roof area and/or surfaces to be coated should be cleaned with a high pressure power washer set at no less than 2500 psi.

All surfaces must be clean and dry before coating application. Rusted metal areas should be primed with 5269 Red or 5281 Gray Acrylic Primer before coating.

CONCRETE/MASONRY SURFACES

Remove mold and mildew, if present, with household bleach and water solution. Rinse thoroughly and allow to dry. Any surfaces, joints or cracks to be treated must be free of dirt, grease, oil, gravel or old caulking compounds. Entire roof, masonry walls and parapets should be cleaned with a high pressure washer set at no less than 2500 psi. All surface areas must be clean and dry before coating application.

REPAIR

On new construction, allow new concrete to cure at least 30 days before applying 3981 Acrylic Waterproof Sealant Caulking or other coatings. Surface pH level should not exceed "9". If higher, surface should not be neutralized.

Concrete and masonry repairs can be made as follows:

- 1) Hairline cracks (less than the thickness of a credit card or 30 mils): seal with 3990 High Build Acrylic Elastomeric.
- 2) To repair larger cracks (<1/4"): Fill with 3981 Acrylic Waterproof Sealant Caulk and feather-out edges. Product cannot be sanded and must be worked to a finished appearance at time of application.
- 3) Spalled or Deteriorated Concrete: Repair using Rust-Oleum 5499 Concrete Patching Compound.

Metal Surface repairs can be made as follows:

- 1) Joints and Seams caulked with 3981 Acrylic Waterproof Sealant Caulk. Areas subject to expansion and contraction can be sealed with 3605 Tape Cloth and topcoated with 3990 High Build Acrylic Elastomeric.
- 2) Fasteners should be individually sealed with 3981 Acrylic Waterproof Sealant Caulk or can be covered with 3605 Tape Cloth and topcoated with 3990 High Build Acrylic Elastomeric.

APPLICATION

Apply only when air and surface temperatures are between 50° - 100°F (10° - 38°C) and surface is at least 5°F (3°C) above dew point. Do not apply material when rain is imminent. Not recommended for use over tar surfaces, slate, tile, wood, shingles or where water continuously ponds.

THINNING

Not Recommended

CLEAN UP

3599 Industrial Pure Strength Cleaner and Degreaser or Soap and Water

EQUIPMENT RECOMMENDATIONS (Comparable Equipment Also Suitable).

BRUSH

Three- Knot Roofing Brush

ROLLER

3/8" Synthetic Lambs Wool

AIRLESS SPRAY

Pump Ratio **Fluid Tip**
30:1 (min) .035 - .043

SAFETY INFORMATION

Flashpoint: None
Lead Content: None

**WARNING! HARMFUL OR FATAL IF SWALLOWED.
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.**

FOR INDUSTRIAL OR COMMERCIAL USE ONLY. NOT INTENDED FOR RESIDENTIAL USE.

KEEP OUT OF REACH OF CHILDREN.

REFER TO PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.

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