



PRODUCT DATA SHEET

CHEM-COAT 9-600-1

WATER BASED ELASTOMERIC COATING

DESCRIPTION:

CHEM-COAT 9-600-1 is a water-borne, single component, elastomeric acrylic coating characterized by excellent hardness, strength, water resistance, soil resistance and weatherability.

USAGE:

May be used for the following applications:

- Protective coating system for exterior urethane foam insulation, concrete, plywood roofs or metal roofs with positive drainage.
- Protective and decorative coating system for interior or exterior walls and fascias with smooth or textured finishes.

LIMITATIONS:

DO NOT apply to interior urethane foam or where service conditions are below 0°F. **DO NOT** apply on surfaces subjected to prolonged water soak.

COLOR:

CHEM-COAT 9-600-1 is a white top coat. CHEM-COAT 9-601-1 is a gray base coat. Special colors available.

PHYSICAL PROPERTIES

HARDNESS:

ASTM D-2240
Shore A 70 - 75

TEAR RESISTANCE:

ASTM D-642
Die C 120 pli min.

TENSILE:

ASTM D-412
Strength: 400 psi min.
Elongation: 200% min.
Permanent Set: 10% max.

WATER VAPOR PERMEABILITY:

ASTM E-96
Procedure B 100% RH.
Difference R.T. 0.06 Perm In.

WEATHERABILITY:

Excellent

FLAMMABILITY:

CHEM-COAT 9-600-1 and CHEM-COAT 9-601 are not rated. CHEM-COAT 9-600FR and CHEM-COAT 9-601FR have passed ASTM E-108 Class A on urethane foam.

TOXICITY:

Not for use with edible substances or potable water.

ADHESION:

Good adhesion to urethane foam, masonry, concrete and wood. CHEM-COAT 9-600-1 also has excellent adhesion to most organic coatings with the exception of silicones and fluorocarbons. A primer must be used on ferrous metals to prevent corrosion. Contact Chemical Design Corporation for specific recommendations.

LIQUID COMPONENT PROPERTIES

COVERAGE:

Sq.Ft./Gal./Mil 965

SOLIDS:

Method 4041, Fed. Std. 141
Weight: 73.6%
Volume: 60.1%

VOLATILE ORGANIC COMPOUNDS:

Contains less than 25 grams/liter

FLASHPOINT:

ASTM D-1310
Above 200°F T.O.C.

STORAGE STABILITY:

Twelve months. Protect from freezing.
Freezing temperature 30°F.

THINNING:

Thinning is not recommended under normal conditions. When desired, CHEM-COAT 9-600-1 may be thinned up to 5% with water. Thinning causes reduction in film build and vertical hold properties.

APPLICATION

Apply by spray, roller or brush. A wide range of spray equipment can be used including airless spray or conventional spray. When applying CHEM-COAT 9-600 in hot weather, coating may thicken in idle spray hoses due to the resulting high temperatures. It is recommended that hoses be flushed with water at the end of the day to avoid potential problems such as, coating build-up in hoses, poor spray pattern or plugging. Clean up with water supplemented with liquid detergent. Spray equipment should be given a final cleaning with MEK thinner or lacquer thinner to remove moisture, and prevent possible corrosion. CHEM-COAT 9-600 products are water based and will require the complete evaporation of the water to achieve cure. DO NOT apply to surfaces that are, or will be lower than, 50°F within 12 hours.

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