

MONOCHEM

ACRYCOAT®

TECHNICAL BULLETIN



MADE IN U.S.A.

Heat Reflective Elastomeric Roof Coating

PRODUCT DESCRIPTION:

ITEM NO. 7000

ACRYCOAT is a 100% acrylic emulsion designed to weather-proof and insulate various surfaces. It is formulated to waterproof and bridge continually moving cracks without cracking or wrinkling. Unlike many coatings with exceptional elongation, **ACRYCOAT** has dirt resistant chemistry that enables the coating to maintain its attractive appearance. In addition, **ACRYCOAT** is breathable and prevents the condensation of water inside or behind the treated surfaces.

BASIC USES:

ACRYCOAT is designed for application on:

- **MONOCHEM BLACK EMULSION** Protective Coating.
- **MONOCHEM 300** Waterproofing Membrane.
- Mobile Home Roofs.
- Modified Bitumen Roofs.
- Primed or Previously Coated Metal.
- Polyurethane Foam.
- Concrete and Masonry Surfaces.

ADVANTAGES:

- Outstanding Exterior Durability & Weatherability.
- Excellent elastic recovery and resilient properties.
- Internally plasticized; permanently flexible.
- Dirt resistant chemistry, maintains an attractive appearance.
- Reduces interior temperatures and lowers air conditioning and energy costs.
- Water-base and easy to clean.

SURFACE PREPARATION:

Surface preparation is critical to product performance. Apply a test patch to ensure the proper performance, appearance and application methods.

- The surface to be coated must be dry and clean, free from all adhesion affecting contaminants like dirt, dust, oil, grease, wax, efflorescence, loose materials, etc.
- After cleaning, allow the surface to dry for approximately 24-hours (until the moisture level is below 15%) before application.
- Blisters must be repaired. Cracks and holes larger than hairlines (1/16") must be filled with a paintable elastomeric caulk and allowed to cure.
- Fresh concrete must be allowed to cure for at least 28-days.
- Ferrous surfaces should be primed with a rust inhibiting primer.
- **ACRYCOAT** is not recommended for application over wood shingles or asphalt shingles, as it may cause the shingles to curl. **ACRYCOAT** should not be applied to hot-mopped or solvent-type asphalt coatings, walking decks, or roof areas with inadequate drainage (ponding conditions).

TECHNICAL DATA:

Solids by Weight (ASTM D2369).....	56±2%
Weight per Gallon.....	11.2 lbs
Viscosity.....	110-115 KU
Tensile Strength (ASTM D2370).....	400 psi
Hardness Shore A (ASTM D-2240-05).....	72
Weatherability 6000 hours QUV.....	Excellent
Permeability (ASTM D1653-03).....	1.5 perms
Elongation @ 77°F (ASTM D2370-98 (2002)).....	350%
Low Temperature Flexibility at 20°F.....	Passed
Reflectance Required (ASTM C-523).....	85% Minimum
Reflectance Obtained.....	90%
VOC Level.....	<50 g/L

APPLICATION:

Apply two coats of **ACRYCOAT** at the rate of 100 sq/ft per gallon, yielding 10 to 12 dry mil thickness per coat (depending on the type of surface and porosity). Apply in a crisscross pattern to eliminate pinholes. Allow the first coat to dry before applying the second coat. The recoat time is approximately 3 to 5-hours depending on temperature and humidity.

Spray-applied foam roofs should be coated with **ACRYCOAT** within 48-hours to achieve the proper adhesion. When applied over **MONOCHEM BLACK EMULSION** allow 1 week cure time before applying **ACRYCOAT**.

ACRYCOAT can be applied by brush, roller or airless sprayer. On rough surfaces, apply using alternate vertical and horizontal passes to pick up all edges. Multiple passes can be made to achieve the required film thickness.

Airless Spray Equipment: Use a 3/4 inch gun or larger airless pump. Use a 3/8 inch or larger hose and a .021 to .031 tip with 40"-60" fan.

APPLICATION PRECAUTIONS:

- **ACRYCOAT** is not recommended for below grade waterproofing or where hydrostatic pressure is present.
- **ACRYCOAT** will not prevent water penetration or help control alkali efflorescence through unsound or cracked substrates.
- Do not apply in windy conditions or at temperatures below 40°F or above 90°F.
- Do not apply if rain is anticipated within 24 hours. Allow the surface to dry at least 24 hours after rains (until the surface moisture level is below 15%).
- Do not use **ACRYCOAT** as a clear sealer over wood products, in particular redwood, pine or cedar. It will create a reaction with the acidic resin and turn the surface darker. For best results, substitute **AQUASEAL 2** Water Base formula for all wood products.

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HIGH PERFORMANCE COATING 09960
PROTECTIVE COATINGS

MONOPOLE INC.
Updated April 2014



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- Protect shrubbery, plants, grass, glass, metal and other glazed surfaces during application. Clean drips, runs and overspray residue while still wet, using detergent and water. Dried material may require a solution of vinegar and water or a legally compliant solvent.

LIMITATIONS:

ACRYCOAT will form a water-proofing membrane; however, it does not seal inaccessible areas. It will not bridge cracks, fill large pores or compensate for flawed construction. Exposed walls must be capped and the backside of parapet walls must be sealed, flashings must be in place and weep holes and drains installed and functioning (where applicable).

CLEAN-UP:

Clean all tools and equipment immediately after use with soap and water.

CAUTION:

Applicators should wear protective clothing and gloves. Avoid eye and skin contact with the material and avoid breathing the vapors. Do not ingest. Mix and apply in a well ventilated area and observe normal safety precautions.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is your responsibility to thoroughly test the product in your specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.