



#70 Acrylic Coating

DATA SHEET

DESCRIPTION: Use TopShield #70 White Acrylic Coating to protect the roof, resist mildew and reflect UV rays and blistering heat. The reflective properties of TopShield #70 significantly reduce the temperatures of the roof surface.

PREPARATION: Pressure washing entire surface is recommended for best results (use only a wide fan spray tip). All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel, peeling paint and all other foreign matter. Roofs must have proper ventilation. Roofs must have proper drainage and not hold "ponding water". Rusty metal must be cleaned with a wire brush and primed with a metal primer/sealer before application of this product. Repair all leaks and cracks with a roof patch and patching fabric in accordance with product instructions. Surfaces previously coated with aluminum, asphalt or tar should be allowed to cure for a minimum of one summer season prior to coating with this product. Surfaces with mildew growth or stains must be cleaned with a bleach solution (two parts water to one part bleach). Be certain all surfaces are thoroughly rinsed and dry prior to applying coating. Do Not Thin.

APPLICATION: Surface and air temperatures must be a minimum of 50 °F and rising. DO NOT apply if heavy dew or rain is expected within 24 - 48 hours. Apply on clear, sunny day in morning hours with a professional airless paint sprayer or a 3/4" nap exterior paint roller. First, apply one coat over all seams and joints. Allow to cure for one hour or until dry, then apply two (2) uniform coats over entire surface, avoiding excessive rolling. Two full coats are needed for all applications. Apply second coat perpendicular to first coat. Allow at least 24 hours between coats and 24 - 48 hours for full curing. DO NOT apply to flat surfaces, poor drainage areas, or where ponding water will exist.

COVERAGE RATE: Approximately 50 - 75 sq. ft. per gal. per coat. Total coverage for two (2) coat application is 25 - 35 sq. ft. per gallon.

NOTE: If roof becomes hot (over 100 °F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, due to the elements, elastomeric can be cleaned with a mild water and bleach solution. Excess scrubbing should be avoided. If coloring is desired, a typical addition of 3 - 4 ounces per gallon of universal colorant can be added, which will result in light pastel colors. Color tinting will disclaim warranty.

CLEAN-UP: Clean tools with soap and water.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	11.25 lbs.
Solids by Weight*	54%
Solids by Volume*	40%
Viscosity (ASTM D562)	115 - 120 ku
Elongation (ASTM D2370)	275%
Tensile Strength (ASTM D2370)	250 psi.
Elongation, post weathering (%)	125%
Reflectivity (ASTM C1549)	.87 (Initial) .76 (3 year)
Emissivity (ASTM C1371)	.90 (Initial) .90 (3 year)
SRI Value	110 (Initial) 94 (3 year)
Permeability (ASTM D1653)	<15 perms
Adhesion to Polyurethane Foam	>3.0 lbs./in.
Consistency	Brush, Roller or Spray
Skin Time (50% Relative Humidity, 70 °F)	4 hours
Full Cure (50% Relative Humidity, 70 °F)	24 - 36 hours
Application Temperatures	55 °F & Rising
Flammability	N/A (water based)
Clean-up Tools	Warm Water & Soap

*Specification data may vary +/- 5% from published values.

Approx. Shipping Weights: (Note: All approx. weights include container)

5 gallons (18.9L)	57 lbs.
55 gallon drum (208.2L)	620 lbs.

VOC: <25 g/L (regulatory)

STORAGE & HANDLING PRECAUTIONS: Do not allow product to freeze. Protective clothing, gloves, and eyewear should be used during application of these products. When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. Close container after use.

WARRANTY AND DISCLAIMER: To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact Gardner-Gibson at (813) 248-2101 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Liability, if any, is limited to replacement of product unless installed by an approved contractor in accordance with Gardner-Gibson warranty procedures and program.

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See SDS for more information

