



#80 Premium Acrylic Coating

DATA SHEET

COMPLIANCE: Exceeds performance requirements of ASTM D6083. Miami-Dade County Product Control Approved.

DESCRIPTION: Use TopShield #80 Premium Acrylic Coating to protect the roof, resist mildew and reflect UV rays and blistering heat. TopShield #80 white acrylic flexes with the roof's movement to resist cracking and peeling while reducing roof surface temperatures.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel, peeling paint and all other foreign matter. Rusty metal must be cleaned with a wire brush and primed with metal primer before application of this product. Surfaces with mildew growth or stains must be cleaned with a bleach solution (2 parts water to one part bleach) prior to applying this product. Rinse thoroughly. Pressure washing entire surface is recommended for best results (use only a wide fan tip - do not allow stream to tear into roof surface). Repair all leaks and cracks with Polyester Reinforcing Fabric and a white roof patch. Allow to cure 24 - 36 hours before application of roof coating. 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. Do not heat or thin. **DO NOT APPLY WHEN RAIN OR HEAVY DEW IS EXPECTED WITHIN 24 HOURS OF APPLICATION COMPLETION.**

FOR BEST RESULTS: Apply a coat of Emulsion. Embed a polyester reinforcing mat.

APPLICATION: For exterior use only. Protective clothing, gloves, and eyewear should be used during application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Temperatures must be above 50 °F (for 24 hours) and rising, but not above 110 °F. Drying conditions are rated at a maximum relative humidity of 50%. Apply with a 3/4" nap exterior paint roller or professional airless sprayer. 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. Dries for recoat in 4 hours and fully cures in 24 - 36 hours at 70 °F & 50% relative humidity. Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times. **DO NOT APPLY TO FLAT SURFACES, POOR DRAINAGE AREAS, OR WHERE PONDING WATER WILL EXIST.** Keep closed when not in use. Not for use on EPDM or some single ply membranes. Seal container when not in use.

COVERAGE RATE: 1 1/2 gallons per square, per coat. Two coats are required for a total application of 3 gallons per square.

SPRAY INFO: 2000-3000 PSI, .030 - .041 Tip Size, 1-3 GPM.

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. Excessive scrubbing should be avoided.

CLEAN-UP: Clean tools with soap and water.

©2017 TopShield
Manufactured by:
Gardner-Gibson, Inc.
P.O. Box 5449, Tampa, FL 33675
See SDS for more information

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	12 lbs.
Solids by Weight*	65%
Solids by Volume*	51%
Viscosity (ASTM D562)	110-140 ku
Elongation (ASTM D2370)	275%
Tensile Strength (ASTM D2370)	250 psi.
Elongation, post weathering (%)	125%
Reflectivity (ASTM C1549)	.87 (Initial) .74 (3 year)
Emissivity	.89 (Initial) .90 (3 year)
SRI Value	110 (Initial) 92 (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)	63 lbs.
55 gallon drum (208.2L)	704 lbs.

VOC: <50 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.