



#83 Base-Seal Coating

DATA SHEET

DESCRIPTION: Use TopShield #83 Base-Seal Coating to reduce bleed-through over asphalt surfaces and to enhance adhesion. This waterborne epoxy is formulated for use with TopShield #85 White Silicone Coating.

PREPARATION: Surfaces must be clean, dry, and sound; contaminants such as dirt, dust, grease, wax, oils, soap film, mold & mildew, bond breakers, curing compounds, and loose, peeling paint must be removed before priming. Surfaces with mildew growth or stains must be cleaned with a bleach solution (two 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). Prior to application of TopShield #83, repair all cracks, splits or damaged areas using a 3 or 5 course application of TopShield #83 and polyester reinforcement. TopShield Seam & Repair Tape may be substituted for repairs as appropriate. For warranted projects, follow job specific specifications. Allow repairs to cure 24 - 72 hours (depending on weather and drying conditions) before application of silicone coating. Asphalt surfaces require a minimum of 8 dry mills of continuous film for bleed-through resistance. Asphalt: The age and condition of asphalt will affect bleed-through with newly applied and uncleaned asphalt surfaces increasing bleed. Do not heat or thin. Single Ply: Do not apply to Single Ply Roof Surfaces. Single Ply roofs must be primed. Metal: Rusty metal must be cleaned with a wire brush and primed/sealed. Application of silicone prior to full cure of TopShield #83 may result in blisters or peeling. **DO NOT APPLY WHEN RAIN OR DEW IS EXPECTED WITHIN 24 - 48 HOURS OF APPLICATION COMPLETION.**

FOR BEST RESULTS: Always check weather forecast prior to preparation & application.

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. Application should be completed a minimum of four hours prior to sunset. Temperatures must be above 55 °F (for 24 hours) and rising, but not above 110 °F ambient. Apply with a 3/4" nap exterior paint roller, brush or professional airless sprayer. Allow to cure a minimum of four hours before applying additional coats of #83. Product fully cures in 24 hours when used as a base coat at 70 °F & 50% max relative humidity. When using polyester reinforcement, full cure is 48 - 72 hours at 70 °F & 50% max relative humidity. Important: Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times.

COVERAGE RATE: Base Coat/Primer is 1 gallon per square and is 3 - 4 gallons per square when used with reinforcements. See specifications for additional information.

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

NOTE: Excessive heat can cause flash drying of coating. Not recommended to apply to surfaces 120 °F or greater.

CLEAN-UP: Clean tools with soap and water.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Solids by Weight	57%
Tensile Strength (ASTM D2370)	275 psi
Elongation (ASTM D2370)	275%
Weight Per Gallon	10.95 lbs/gal
Bleed Resistance	Excellent
Viscosity	100 - 130 ku
Adhesion	Excellent
Consistency	Brush, Roller, or Spray
Skin Time (50% Relative Humidity, 70°F)	8 hrs.
Full Cure (50% Relative Humidity, 70°F) (Depending on qty & specification)	24 - 72 hrs.
Application Temperatures	55 °F - 110 °F
Clean-up Tools	Warm Water & Soap

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

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

1 gallon (3.4L)	11.5 lbs.
5 gallons (18.9L)	58 lbs.

VOC: <10 g/L (regulatory)

STORAGE & HANDLING PRECAUTIONS: Shelf life is two years from date of manufacturer. Do not store at temperatures below 50 °F or above 110 °F. For maximum shelf life store between 60 °F and 80 °F. Keep container sealed when not in use. Always keep covered and protected from the elements. When transporting this product, ensure that lid is tight and pail secured. 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. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail. Do not reuse empty container. Dispose of in an environmentally acceptable manner. Do not use in drinking water or food systems.

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.

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

