



AP 583 ARMOR BASE® DATA SHEET

DESCRIPTION: APOC® #583 Armor Base is a high performance water borne epoxy formulated for use with APOC silicone coating. This product is used as a primer to create a smooth, fully adhered substrate prior to application of APOC #585 Armor Flex Silicone. Application of #583 Armor Base helps to prevent bleed through over asphalt substrates and improves long term performance and durability. Additionally, Armor Base has been designed to use with APOC Specification Grade Polyester Reinforcement. This 100% reinforced system creates a fully adhered and leak free base prior to the application of APOC Armor Flex Silicone. Unlike standard silicone coatings, Armor Base with Eterna-Dri Technology adds the strength and durability that truly withstands the test of time and the destructive forces of nature.

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 or coating. 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). Mark off and repair all leaks and cracks with Polyester Reinforcing Fabric and APOC® Liquid Flash, Incredible™ Fleece Top™ Tape, or APOC Silicone Sealant after primer is installed. Allow to cure 24 - 72 hours (depending on application) 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 directly to Single Ply Roof Surfaces. Single Ply roofs must be primed using APOC® 295 Single Ply Adhesive Primer before using #583 Armor Base. Metal: Rusty metal must be cleaned with a wire brush and primed / sealed with APOC® 291 or 298 before application of this product. Application of silicone prior to full cure of #583 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. 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. 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 APOC 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.

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)	24 - 72 hrs.
(Depending on qty & specification)	
Application Temperatures	55 °F
Clean-up Tools	Warm Water & Soap

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

5 gallons (18.9L)	53.5 lbs.
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VOC: <63 g/L max.

HANDLING PRECAUTIONS: Product safety information required for safe use is not included. Before handling, read product safety data sheets and container labels for safe use and for physical and health hazard information. Safety Data Sheets are available on the APOC website at www.apoc.com. You can also obtain a copy from your local APOC Distributor or APOC sales representative.

LIMITED 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 APOC 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 APOC warranty procedures and program.

For limited warranty and disclaimer information, visit our website at: www.apoc.com/productwarrantyinfo.

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See SDS for more information

