

583 ARMOR-BASE™

Ideal For Use on Built-Up, APP & SBS Roof Systems

ARMOR-BASE™

APOC 583 Armor-Base is a high performance waterborne 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 for use with APOC Polyester Reinforcing Fabric. 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.

- Helps Reduce Bleed-through
- Prepares Surface for Silicone Coatings
- Promotes Adhesion
- Great for Use with Reinforcements





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. 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 #583 Armor-Base, repair all cracks, splits or damaged areas using a 3 or 5 course application of #583 Armor-Base and #483 APOC Polyester Reinforcement. APOC Incredible 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 using APOC® #296 Single Ply Adhesive Primer. Metal: Rusty metal must be cleaned with a wire brush and primed/sealed with APOC® 291. 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 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 #583. 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.

CLEAN-UP: Clean tools with soap and water.

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See SDS for more information

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
Clean-up Tools	Warm Water & Soap

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

1 gallon (3.4L)	11.5 lbs.
5 gallons (18.9L)	53.5 lbs.

VOC: <63 g/L (regulatory)

STORAGE & 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. **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.

LIMITED WARRANTY AND DISCLAIMER: APOC hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any and all manufacturing defects that may materially and adversely affect the product's performance at the time the product is manufactured. Should a manufacturing defect materially and adversely affect this product's performance, APOC shall, within its sole discretion and upon receipt of Purchaser's timely written notice within the Warranty Period, provide replacement product(s) or refund the purchase price of the defective product. THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS AND GUARANTEES, WHETHER EXPRESS OR IMPLIED, WHETHER BY STATUTE, AT LAW OR IN EQUITY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This limited warranty does not cover labor or installation costs, leaks, fastener penetrations or other holes in the membrane, exposure over 180 days, low slope roofs or materials not manufactured by APOC, consequential damages or incidental damages. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Direct all warranty claims in writing along with original proof of purchase to APOC, c/o Warranty Claims Department, P.O. Box 5449, Tampa, FL 33675. The exclusive venue for any legal action arising out of the purchase of this product or this warranty shall be had in a court of competent jurisdiction within Hillsborough County, Florida. Florida law shall govern. For additional Standard Limited Warranty information, visit www.apoc.com/pages/warranty.