



# 583 ARMOR-BASE® WATERBORNE BLEED-BLOCKING PRIMER

## TECHNICAL DATA SHEET



MIAMI-DADE COUNTY APPROVED

### TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	53.5 lb.
Solids by Weight (ASTM D1644)	57%
Solids by Volume (ASTM D2697)	50%
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 Temperature	55°F
Spray Info	2000-3000 PSI .030-.041 Tip Size 1.0-3.0 GPM

#### Approx. Shipping Weights:

(Note: All approx. weights include container)

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

VOC: <63 g/L max. (regulatory)

### DESCRIPTION:

**APOC® 583 Armor-Base® Waterborne Bleed-Blocking Primer** is a high performance water borne epoxy. This product is used as a primer to create a smooth, fully adhered substrate. 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 be used with APOC Specification Grade Polyester Reinforcement. This 100% reinforced system creates a fully adhered and leak free base. 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.

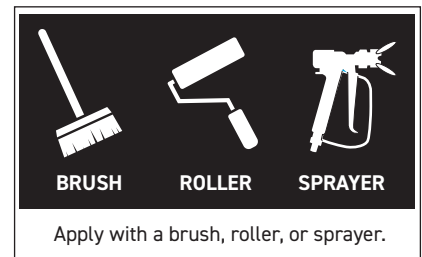
### PREPARATION:

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 an APOC silicone or elastomeric coating, 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. Stop application within 6 hrs of dew dropping and when rain is expected within 24-48 hrs. 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.

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



### COVERAGE RATE:

Base Coat / Primer: 1 gal. per 100 sq. ft.  
When used with reinforcements: 3 - 4 gal. per 100 sq. ft.

### CLEAN-UP:

Warm water and soap



### PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE  
CLOTHING



GLOVES

### 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](http://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.

### WARRANTY & DISCLAIMER:

Register your warranty for extended warranty terms within 60 days of the completion of the project at [www.apoc.com/pages/warranty](http://www.apoc.com/pages/warranty). APOC Roofing Systems, LLC hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any defects that may materially and adversely affect the product's performance for a period of one year from the date of original purchase.