Acrylastic Bleed Blocking Primer 510

Bleed Blocking Primer 510 is a bright white, ultra-tough, waterproofing, copolymer elastomeric coating that works great over:

- *Acrylastic Ultraroof* 900
- Spray polyurethane foam
- Mineral surface modified bitumen
- Smooth surface modified bitumen
- Smooth surface built-up roof (BUR)
- Mineral surface built-up roof (BUR)
- Granulated asphalt surfaces
- Hot-mopped asphalt cut-Back
- Emulsion tar and gravel
- Metal and galvanized

Bleed Blocking Primer 510 is recommended in Davlin Silicone system.

Bleed Blocking Primer 510 (BBP) was designed as a single-part water-based coating with the highest performance in coastal, temperate, humid, hot, and extreme alkaline environments. Bleed Blocking Primer 510 creates a tough, long-lasting protective membrane that remains flexible over time even under adverse conditions. Its elongation and tensile strength provide unsurpassed resistance to maintenance traffic, weather conditions, and wear. Its proprietary formula features copolymer elastomeric resins to produce a seamless, flexible, durable membrane that displays exceptional weatherability and UV resistance. Because it is a high-solids coating, Bleed Blocking Primer 510 has low shrinkage, allowing it to bridge hairline cracks and provide protection against new cracks forming.

Due to its light weight, Bleed Blocking Primer Roof Coating can be applied over existing roofs without having to tear them off. This product has better coverage and waterproofing, forming a vapor barrier at 1.2 perms - *10 times better* than most acrylics. During spray application, Bleed Blocking Primer 510 cures quickly, allowing for faster job completion. The coating has tenacious adhesion and sticks like an epoxy glue.

Davlin's Roof Coatings and Products

Seamless • Watertight • Fully Adhered

- ***Ultraroof*** **900 Primer**
- ***Acrylastic*** **510 Roof Coating**
- ***Roofseal*** **Acrylic Elastomeric Roof Coating**
- ***Roofseal*** **Tropical Roof Coating**
- ***Sunshield*** **3800 Top Coat**
- ***Roofseal*** **Silicone**
- ***Acryflex*** **1210 Sealant**
- ***Acrylastic*** **810 White Mastic**
- ***Acrylastic*** **910 Mastic**
- **Roof Leveling Compound**
- ***Capseal*** **800 Roofing Mastic Sealer**
- ***Roofseal*** **Fabrics, Tapes, and Caps**

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made in the USA
designed by Davlin in California

Acrylastic Bleed Blocking Primer 510

Properties / Specifications

Tensile strength[1]: 1400 psi
Tensile elongation[2]: 2100% at break
Moisture vapor transmission[3]: 1.2 perms
Adhesion, foam[4]: 350 psi (foam cohesive failure)
Shore A hardness[5]: 75
Impact resistance[6]: No surface cracks
Hailstone resistance[7]: No effect
Heat stability[8]: No viscosity change
Resistance to wind-driven rain >100mph[9]: No weight gain
Resistance to ponded water: No blisters, no film degradation
Accelerated weathering at 5000 hours[10]: No chalking, no sheen loss, no discoloration
Fungus resistance[11]: No growth
VOC[12]: 6 g/L
Flash point[13]: >215°F
Viscosity[14]: 100-120 KU
Solids by volume[15]: 50% ± 2%
Solids by weight[16]: 60% ± 2%
Dry film thickness (DFT): 8 mils at 100 sq ft/gallon
Recommended system DFT: 16-48 mils total
Curing mechanism: Air dry
Shelf life: 3 years when properly stored
Dry time to recoat: 4-8 hrs dry through at 70°F
Application temperature, air and surface: 45-100°F
Color: White or custom color

Test Methods
1 ASTM D2370, 1 in/min
2 ASTM D2370, 1 in/min
3 ASTM E96, Proc. B, 20 mils DFT
4 ASTM D413, Elcometer
5 ASTM D2240
6 U.S.B.R.
7 Fed Spec TT-C-555B, GSA ex 1
8 Fed Std 141 [6051], 160°F for 10 days
9 Fed Std TT-C-555B, 4.4.7 min, 95 mph req.
10 ASTM D822
11 Fed Std 141 [6271], note 2
12 US EPA reference method 24
13 SETA
14 ASTM D562
15 ASTM D2597
16 ASTM D2369

Limitations: Do not apply at temperatures below 45°F nor during–nor 24 hours preceding– inclement weather, including rain, fog, mist, or freezing temperatures. If the surface and roof temperature are between 50°-70°F, then Bleed Blocking Primer 510 may be applied in 1 thick coat of 24 wet mils at a rate of 1.5 gallons per 100 square feet. Do not attempt to apply in thick coats when temperatures are above 70°F, since this can cause coating to skin over quick-ly on top while the coating underneath remains wet, resulting in blisters. BBP's resins allow it to dry faster in warm and windy weather. When applying polyester sheeting, be careful to apply coating in small areas at a time to ensure coating is still wet enough to embed the sheets. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at tem-peratures below 50°F. Consult Davlin for special application procedures when roof or air temperature exceeds 110°F.

Surface Preparation: Remove all contaminants and loose material, such as dust, dirt, oil, silicone, release agents, wax, mildew, salt deposits, heavy oxidation, and chalky or loose coating. Check the entire roof surface and thoroughly powerwash it. Flush all equipment with water before use.

•*Polyurethane foam:* Repair all cracks and holes in foam by filling with *Acryflex* 1210 and embedding polyester tape or fabric into wet coating. New urethane foam surfacews that require no cleaning should be coated within the time frame recommended by the manufacturer.

Application: Stir **Bleed Blocking Primer 510** thoroughly until uniformly blended, but avoid excessive mixing to prevent air entrapment. Do not apply on ex-terior below grade surfaces or when a vapor barrier is required. Do not thin. Apply a wet coat in even, parallel passes, overlapping each pass 50% to avoid holidays, bare areas, and pinholes. Cross-roll or spray at right angle to the first pass. Apply 1 coat of **Bleed Blocking Primer 510** at 1 gallon per 100 square feet, DFT 8.5 mils. Clean equipment with water or water and detergent immediately after use. Allow 4-8 hours to dry. Use Rule-of-Thumb test prior to installing the next coat: when one's thumb is pressed firmly to the coating, none of the coating will adhere to the thumb. Apply second, third, and fourth coats, per system specification. For additional durability, roofing granules may be broadcast into the final coating application at the rate of 35-40 ounces per 100 square feet.

Equipment: *The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure, tip size, and equipment may be needed for proper spray characteristics.*

•*Airless:* Standard equipment such as Graco Bulldog Hydra Spray 30 or 45:1 pump with a 0.025- 0.031 inch reversible fluid tip.

•*Conventional:* Industrial equipment such as Binks II:I Saturn pump or equivalent with air control cut-off, a material hose 3/4 inch ID minimum and an air hose 1/2 inch ID and 50-75 psi air pressure minimum. Heavy mastic spray gun such as Binks 7E2 with 1/4 inch fluid tip or larger and slotted nozzle.

•*Brush or Roller:* Suitable for waterborne coating. Multiple coats may be required to achieve specified DFT. Roller nap will vary according to texture of substrate and thickness of coat; typically a 3/4 inch nap will work.