

# High Build, Bleed Blocking General Purpose All Acrylic Elastomeric Coating

For Professional Use Only

## DESCRIPTION

- A high quality, plasticizer-free, single component, water-based, 100% acrylic elastomeric coating for spray brush or roller application.
- High Build- May be apply up to 4 gallons per square in one coat. (50 wet mils)
- Bleed resistant - May be applied over asphalt surfaces.
- Designed to provide a long-lasting flexible membrane that will retain this flexibility even in the harshest climatic conditions.
- Formulated utilizing specialized pigments and biocides to provide maximum UV resistance and minimize discoloration from dirt accumulation.
- Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood, and concrete.
- Has the unique ability to "breathe," providing a completely watertight membrane while allowing trapped moisture to escape.

## RECOMMENDED USES

Forticoat AC – HB is designed as a protective membrane for most roofing surfaces including galvanized metal, concrete, PVC, Hypalon, EPDM, polyurethane foam, and primed smooth and granulated asphaltic surfaces. Check with your FortiSystems representative for primer recommendations.

| Property                                                               | Test Method   | Result               |
|------------------------------------------------------------------------|---------------|----------------------|
| Volume Solids                                                          | ASTM D-1653   | 55.0 $\pm$ 3%        |
| Weight Solids                                                          | ASTM D-1644   | 68.4 $\pm$ 3%        |
| Tensile Strength                                                       | ASTM D-2370   | 310 $\pm$ 20 PSI     |
| Elongation                                                             | ASTM D-2370   | 320 $\pm$ 25%        |
| Permeability                                                           | ASTM D-1653   | 10 $\pm$ 3           |
| Tear Resistance                                                        | ASTM D-624    | 95 $\pm$ 3 PSI       |
| VOC                                                                    | EPA Method 24 | < 50 g Liter         |
| Low Temperature Flexibility (-15', 1/2 in mandrel, 1000hrs weathering) |               | Pass                 |
| Hardness (Shore A)                                                     | ASTM D-2240   | 55 - 60              |
| Reflectivity                                                           | ASTM C-1549   | 86%                  |
| Emittance                                                              | ASTM C-1371   | .90                  |
| SRI                                                                    | Calculated    | 107                  |
| Viscosity                                                              |               | 110 $\pm$ 10 KU      |
| Density                                                                |               | 11.8 lbs per gallon  |
| Flashpoint                                                             |               | None                 |
| Shelf Life (When stored between 40°F and 70°F (4°C - 21°C).            |               | 24 months (Unopened) |
| Clean Up                                                               |               | Water                |

## COLORS

Standard Colors: White, Gray, and Tan  
Custom Colors are available for an additional charge.

## PACKAGING/SHIPPING INFORMATION

| CONTAINER SIZE                | SHIPPING CLASS |
|-------------------------------|----------------|
| 55 Gallon drum (208.2 liters) | Class 55       |
| 5 Gallon pail (18.9 liters)   | Class 55       |

# High Build, Bleed Blocking General

## Purpose All Acrylic Elastomeric Coating

### SURFACE PREPARATION

**General:** Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating, and other foreign matter. All wet insulation or foam should be removed and replaced with like materials.

For optimal results, power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

### APPLICATION

This product may be brushed, rolled, or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, the material should be at least 75°F. Before applying an additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface, it must be washed and completely dry before application of subsequent coats.

### Application Properties

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Yield (1 gal to 100 sq ft)</b> | <b>8.0 dry mils</b>           |
| <b>Dry Time (75° F)</b>           | <b>90 mins @ 50% humidity</b> |
| <b>Recoat Window</b>              | <b>&gt;6 hrs</b>              |
| <b>Complete Cure</b>              | <b>30 days</b>                |

### COVERAGE RATE

Apply Forticoat AC – HB at the rate of up to 4 gallons per 100 sq. ft. Surface texture and wind will affect applied mil thickness.

### ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. The product must not be applied when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before the product dries. In high humidity conditions, late afternoon applications should be avoided as overnight dew formation on an uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

### PONDED WATER

- FortiSystems coatings are not warranted to perform under ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable.  
(See the NRCA Roofing and Waterproofing Manual).

### LIMITATIONS

The surface must be clean and dry. Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Forticoat AC – HB requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier.

### SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. Information sources include but are not limited to MSDS and product labels. More resources are available at [polyurethane.org](http://polyurethane.org), [sprayfoam.org](http://sprayfoam.org), [www.forti-systems.com](http://www.forti-systems.com), or by contacting your FortiSystems representative directly.

### EQUIPMENT

Minimum requirements:

#### Brush

- Synthetic filament

#### Roller

- 1¼" nap roller

#### Spray

- 20:1 fluid to air ratio capable pump
- 2 1/2 gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths: (Largest diameter at pump)
  - 3/8 minimum 6 ft wip
  - 3/8 minimum I.D. up to 75 feet
  - 1/2 minimum I.D. up to 200 feet
  - 3/4 minimum I.D. over 200 feet
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
  - Reversible self-cleaning type
  - Orifice size of .027 to .039
  - Fan angle of 40° to 50°
- Always use components rated for pump pressures.

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