



# ACRYLIC ASPHALT PRIMER ACRYLIC COPOLYMER FOR ASPHALTIC SUBSTRATES

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION:

ERSystems® Acrylic Asphalt Primer is a single component, water-based synthetic polymer elastomeric coating. It provides protection to asphalt substrates and may be applied over properly cured asphalt emulsion as a base coat. It exhibits superior adhesion to asphalt substrates, has a high hide capability, is highly reflective and has high elongation. Used in conjunction with Acrylic 1000 Plus (see data sheet) it allows for the highest performing asphalt restoration system.

### TYPICAL PROPERTIES:

| Property            | Typical Value         |
|---------------------|-----------------------|
| Percent Solid:      | 52%                   |
| Viscosity:          | 12,000-15,000 cps     |
| Elongation:         | 100% at 75°F (23.9°C) |
| Tensile Strength:   | 200 psi               |
| Weight/Gallon       | 11.25 lbs/gal         |
| VOC Content         | <0.5 g/L              |
| Initial Reflectance | 83%                   |
| Thermal Emittance   | 0.94                  |
| Shelf Stability     | 12 months             |
| Cure Time           | 16-24 hours to recoat |

### TYPICAL USES:

Acrylic Asphalt Primer may be used over new or aged smooth BUR, Modified Bitumen and asphalt emulsion as a base coat. Call ITW Polymers Sealants North America, Inc. Technical Service for applications over substrates other than asphalt.

### PACKAGING:

- Packaging is standard 5 gallons pails and 55 gallon drums.

### COLOR:

- Gray

### APPLICATION EQUIPMENT:

Application may be by brush, roller or airless spray.

- **Brush or Roller:** Recommended for flashing, small inaccessible areas or where over spray may be a problem. Use a paint brush or a standard medium or coarse nap roller.
- **Airless Spray Equipment:** Airless spray equipment should be capable of 1 gallon (3.79 liters) per minute capacity at 3000 psi.

### COMPLIANCE SPECIFICATION:

- Federal Specification TT-S-00230C (COM-NBS) Class A Acrylic Asphalt Primer is designated a "medium elastomeric coating" with medium viscosity for pump purposes. 1/2" high-pressure hoses perform well. The airless spray gun should be equipped with a ball-bearing swivel for ease of handling. Recommended orifice size is .035" diameter, wide-angle fan pattern. A reverse-a-clean nozzle is recommended. Exact orifice size will vary with temperature of the material and weather conditions.

### APPLICATION:

**Over Asphaltic Substrates** – (APP and SBS Modified Bitumen, smooth BUR, Asphalt emulsions). Apply over clean, dry surfaces. Repair splits or cracks with fabric and Acrylic Asphalt Primer. Allow curing. Apply Acrylic Asphalt Primer as a base coat in 1/2–3/4 gallon (1.89-2.84 liters) per 100 square feet depending on surface texture. (Consult ERSystems® Sample Design Guidelines) Allow to cure, then install 1.75 – 2.5 total gallons (6.62-9.46 liters) applied in two passes per 100 square feet of Acrylic 1000 Plus as a finish coat.

Over smooth Emulsion, apply Acrylic Asphalt Primer at ½-3/4 gallons (1.89-2.84 liters) per 100 square feet followed by 1.75 – 2.5 total gallons (6.62-9.46 liters) applied in two passes per 100 square feet of Acrylic 1000 Plus. First coat is typically back rolled, with second coat rolled at right angles or spray applied.

### TEMPERATURE CONSTRAINTS:

Do not apply Acrylic Asphalt Primer below 40°F (4.45°C) or in weather conditions where the temperature will fall below 40°F (4.45°C) during the cure cycle. The service temperature range is -35°F (-37.2°C) to 180°F (82.2°C). The substrate temperature range for application is 40°F (4.45°C) – 120°F (48.9°C).

### APPLICATION LIMITATION:

- Prior to the application of any base or top coat over properly cured applied asphalt based product. Consult with the asphalt product manufacturer or NRCA guidelines for necessary asphalt cure times prior to coating.
- Substrate must be clean, smooth and free of dirt, rust and/or moisture. Power washing of substrate is recommended.
- Acrylic Asphalt Primer must not be applied during inclement weather and should not proceed if any precipitation is imminent.

- Application of materials with power spray equipment will require some masking and possible erection of wind screens to prevent over spray damage to surrounding structures, building surfaces, vehicles or other property or persons.

**CLEAN UP:**

Flush all hoses, equipment, and tools with water immediately after use.

**STORAGE:**

Always store Acrylic Asphalt Primer above 40°F (4.45°C). Keep from freezing!

**CAUTION:**

Avoid prolonged and repeated contact with skin. Do not take internally. Acrylic Asphalt Primer may be attacked by some solvents. If solvents are to come in contact with Acrylic Asphalt Primer, the user should test solvent on a cured sample prior to application, or request information from ITWPSNA technical services.

PRIOR TO USE OF THIS MATERIAL,  
READ ALL APPROPRIATE SAFETY DATA SHEETS

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Complete technical information is available from  
ITW Polymers Sealants North America, Inc.