



PRODUCT NO.  
5005

## TECHNICAL DATA

# ACRYLIC MODIFIED ASPHALT EMULSION

### DESCRIPTION:

- A homogenous, elastomeric blend of selected petroleum bitumen, water, acrylic co-polymers and mineral stabilizers.
- Manufactured using a state of the art, colloid milling process to ensure a smooth, uniform consistency.

### FEATURES:

- Can be applied by brush, squeegee or airless spray equipment.
- Excellent UV resistance and capable of withstanding thermal shocks and stresses without failure.
- Cures to a tough, flexible protective barrier that resists "alligator" cracking and chemical attack.
- Compatible with EPS insulation, metal substrates and asphalt systems.
- Non-Asbestos and Zero Volatile Organic Compounds (VOC)
- ASTM D1227, Type III, Class I & D1187, Type I

### USES:

- As a protective coating over smooth asphalt roofs, metal roofs and cured solvent borne primers and coatings.
- With reinforcing fabrics over medium to severely alligatored asphalt flood coats.
- Dampproofing of masonry and concrete surfaces.

### APPLICATION:

- Ready to apply. Do not heat. Do not thin.

### SURFACE PREPARATION:

- All work surfaces must be clean, damp or dry, but free of standing water, free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membranes, and other contaminants that may result in a surface that is not sound.
- All necessary repairs must be completed before application to ensure optimum performance.
- Extremely dusty or dry surfaces should be primed with Fortress® # 5302 Asphalt Primer or Fortress® #5085 HydroPrime™ 200.

### APPLICATION DIRECTIONS (Reinforced):

- Apply to the properly prepared surface at a rate of 1-2 gallons per square. Embed the first ply of Fortress® reinforcement (starter course), brushing the reinforcement into the adhesive. Assure that the reinforcement conforms to surface and no bridging or fish mouthing occurs.
- Apply another coat of adhesive and embed the second course of reinforcement., overlapping the reinforcements in accordance with the appropriate spacing for the desired number of plies to be obtained.
- After the final ply, apply the adhesive at a rate of 1-2 gallons per square before surfacing.

### APPLICATION DIRECTIONS (Non-reinforced):

- Apply to the prepared surface at a rate of 2-4 gallons per square.
- To avoid pinholes and ensure maximum performance, application of two coats, each at 1/2 the total coverage rate and applied perpendicular to one another, are recommended.

### APPLICATION PRECAUTIONS:

- **DO NOT** use with or on 100% rubber or plastic substrates.
- **DO NOT** use on or with products containing coal tar.
- **DO NOT** apply to areas that pond water.
- **DO NOT** apply if temperatures are expected to fall below 45 °F or rain or heavy dew is expected, within 24 hours of application.
- **DO NOT** use where this product may come in contact with potable water.
- **DO NOT THIN.**
- **DO NOT FREEZE**

### CLEAN UP:

- Immediately rinse/flush equipment and tools with mineral spirits after use, exercising all flammable liquid precautions.
- Use waterless hand cleaner on skin.

### TYPICAL PROPERTIES:

Property	Test Method	Result
Wt/gal, lbs.	D6511	8.3-8.7
Solids, % by wt.	D6511	48-52
% by vol.		48-52
Viscosity, cps	Brookfield, RVT	6500-10000
pH		6.2-7.2
Flash Point, °F	PMCC	None
Color, Cured	Visual	Black
Drying time, Touch	70 °F/50% R.H.	1-2 hours
Shelf Life	70°F/50% R.H.	1 year
VOC	EPA Method 24A	zero

### PACKAGING:

- 5-gallon pails (45 lbs.) and 55-gallon drums (507 lbs.)

### SPECIFICATION COMPLIANCES:

- ASTM D1227, Type III, Class I & D1187, Type I

### SAFETY AND ENVIRONMENTAL PRECAUTIONS:

- **CONSULT MATERIAL DATA SAFETY SHEET FOR DETAILED HANDLING AND DISPOSAL**