

## TECHNICAL DATA

### HEAVY DUTY NON FIBERED ASPHALT EMULSION

**DESCRIPTION:**

- A homogenous blend of selected petroleum bitumen, water and non-asbestos 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.
- Cures to a tough, flexible protective barrier that resists "alligator" cracking and chemical attack.
- Thixotropic viscosity, allows maximum film thickness and resistance to sagging or flow.
- Compatible with EPS insulation, metal substrates and asphalt systems.
- Non-Asbestos
- 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 mouting 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, grams   | Stormer @ 200 rpm | 800-1100 |
| pH                 |                   | 6.2-7.2  |
| Flash Point, °F    | PMCC              | None     |
| Color, Cured       | Visual            | Black    |
| Drying time, Touch | 70 °F/50% R.H.    | 1 hour   |
| 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**