



## 9.03 FAST BITUMEN EMULSION

### *Asphalt Emulsion Damp & Water Proofing*

#### PRODUCT DESCRIPTION

FAST BITUMEN EMULSION is a cold applied, high quality asphalt emulsion containing bentonite clay that forms a damp-proof barrier on concrete or masonry walls. This breath able film protects against capillary moisture migration while not limiting vapor transmission.

#### USES

- Above or below grade, interior or exterior
- Formed and poured or tilt wall concrete, concrete block, masonry or stone surfaces
- Footings, foundations, retaining walls and fire walls
- Culverts, bridge abutments, copings, parapets

#### ADVANTAGES

- Excellent bond strength to a variety of substrates and surface textures
- May be applied to damp surfaces or green concrete
- Minimizes vapor transmission and dampness through below grade walls
- Unaffected by soil alkalinity or acidity, organic matter or minerals
- Excellent durability will not peel, blister, sag or reemulsify
- Easily applied with brush, roller or spray equipment

#### PACKAGING

FAST BITUMEN EMULSION is packaged in 5 gallon (18.9 liter) pails and 55 gallon (208 liter) drums.

#### ESTIMATING GUIDE

Coverage is dependent on surface texture and porosity.

- 75-100 Ft.<sup>2</sup> per U.S. gallon per coat
- 1.8-2.5 M<sup>2</sup> per liter per coat

Two coats are recommended for optimum performance.

#### TECHNICAL DATA

- ASTM D-1227, Type 3 and ASTM D-1187, Type 1
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59
- V.O.C. Content: 0 gm/L
- Specific Gravity: 1.0-1.05
- Solids: 50% by weight and volume
- Viscosity@77°F (24°C) 800-1000 (Stormer, gms per 200 rpm)
- PH: 6.2-7.0
- Appearance when cured: Black
- Drying time@70°F (21°C) -50% RH  
6 hours to touch 24 hours to recoat
- Dry Film Thickness per coat: 16-32 mils

#### DIRECTIONS

**Surface Preparation:** Surface must be clean and free of oil, grease, laitance, dirt, dust, curing or sealing membranes, paints and loose material. Mechanical cleaning with a wire brush, scraper or chipping hammer, followed by vacuuming is recommended. Pressure wash surface as final cleaning step and to pre-dampen surface.

**Mixing:** FAST BITUMEN EMULSION is packaged ready to use. Stir prior to using.



# FastChem Technologies

The Fast Chemistry for Construction

**Application:** Surface to be coated must be kept damp during application procedure. Do not apply to dry substrates. Apply directly from container using a three knot roofing brush, Tarzan roller applicator or power spray equipment. Dampproofing characteristics are achieved with an unbroken film having no gaps or pinholes.

**Exterior or Foundation Walls Below Grade:** Apply FAST BITUMEN EMULSION in two coats, allowing first coat to become tacky or dry to touch before applying second coat.

Dilute first coat of FAST BITUMEN EMULSION by 20-25% with clean, cool water. Apply second coat undiluted. Make sure coating is continuous and free of breaks or pinholes. Carry over all exposed top and edge of parapets and footing, and into all joints, grooves and slots, chases, corners and reveals. Follow all breaks in the surface. Allow to set. Do not place backfill for at least 24 to 48 hours after application. It is suggested, where possible, backfill be placed within approximately 7 days. Exercise care that the backfill is placed in a manner that will not damage or rupture the film or cause the coating or membrane to be displaced on the wall.

**Interior Surfaces Above-Grade Vapor Barrier:** Apply in one coat, carrying the coating in and around all joints, grooves and slots, following all breaks in the surface. Carry into all chases, corners, reveals and soffits of windows and 12" out on adjoining partitions and soffits. Allow to set. Use furring strips or metal lath before plastering.

## CLEAN UP

Clean tools and equipment with detergent and water.

## STORAGE

Store tightly closed containers in warm area, away from direct sunlight and sources of heat. Protect containers from freezing during storage and shipment.

## LIMITATIONS

- Do not apply if ambient or surface temperature is below 40°F (4°C). A minimum 40°F (4°C) is required for the full 48 hours curing period.
- Concrete block foundation walls should be treated with FastChem Seal before application of FAST BITUMEN EMULSION.
- Do not apply if rain is expected before proper set is achieved. Provide adequate protection to keep rain from contacting surface and washing coating from the wall for 6 hours after application.
- Do not use on ceilings or under portland cement mixes. Not intended for use as a plaster bond.

## CAUTION

May cause eye irritation. Overexposure may cause skin irritation.

## WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

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