



9.03 XPERT BITUMEN EMULSION

Asphalt Emulsion Damp & Water Proofing

PRODUCT DESCRIPTION

XPERT 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, and 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 re-emulsify.
- Easily applied with brush, roller or spray equipment.

ESTIMATION GUIDE

Coverage is dependent on surface texture and porosity.

- 75-100 Ft² per U.S. gallon per coat.
- 1.8-2.5 M² per liter per coat.

TECHNICAL DATA

ASTM D-1227, Type 3 & ASTM D-1187, Type 1.

Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

CATEGORY	PARAMETERS
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 OF USE

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: XPERT BITUMEN EMULSION is packaged ready to use. Stir prior to using.

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. Damp proofing characteristics are achieved with an unbroken film having no gaps or pinholes.

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

Dilute first coat of XPERT 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.

PACKAGING

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

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 (4C). A minimum 40F (4C) is required for the full 48 hours curing period.
- Concrete block foundation walls should be treated with XPERT Seal before application of XPERT 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.

