

ZOLVTEK ZF 219

Fibered Emulsion Damp Proofing

ZOLVTEK Fibered Emulsion Damp proofing is an all purpose coating, especially made with superior Bitumen, clay emulsifiers, and selected non- fibers. The dried film cures to a tough, flexible, durable finish and will resist variations in temperature and weather. ZOLVTEK Fibered Emulsion 219 ZF Damp proofing will not burn or support combustion in a liquid state. It has no odor or fumes, and resists the absorption of exterior moisture. ZOLVTEK Fibered Emulsion 219 ZF Fibered Emulsion Damp proofing may be applied to slightly damp surfaces.

Fibered Emulsion Damp proofing is a vapor retarder used as a protective coating against humidity on the exterior face of interior walls in cavity wall construction and exterior surfaces of concrete, metal and wood above or below grade. It may also be applied to interior surfaces in the absence of hydrostatic pressure. The emulsion may be utilized as an adhesive for polystyrene insulation prior to backfilling.



APPLICATION

Surface should be free of oil, grease, dirt, laitance and loose material. Dry surfaces may be dampened with water before application. Repair all cracks and holes with ZOLVTEK Fibered Emulsion Damp proofing and with Fiberglass Film or with Bitumen Saturated Cotton Fabric, before applying the surface coating.

- Waterproofing of flat, exposed and pitched roofs as well as kitchens, bathrooms and basements.
- Damp- proofing of concrete basements, walls, floors, block work walls etc.
- Protection of concrete foundations, footings, retaining walls etc. from soil chemicals

ZOLVTEK Fibered Emulsion Damp proofing is easily applied by brush, roller or spray equipment. Apply ZOLVTEK 219ZF Fibered Emulsion Damp proofing in one coat. If applying two coats, allow the first coat to dry. Coating should be continuous and free of pinholes and breaks. Cover all slots, joints and grooves and apply into all chases and corners.

Above-grade damp proofing (interior and exterior): Apply one coat of ZOLVCOAT or Non-Fibered Emulsion Damp proofing at

a rate of 2 to 3 gallons per 100 sq. ft. If applying two coats, each coat should be 2 to 3 gallons per 100 sq. ft. (First coat must be allowed to dry prior to the application of the second coat).

Below-grade damp proofing (interior, exterior and cavity walls): Apply one coat of ZOLVCOAT Non-Fibered Emulsion Damp proofing at a rate of 2 to 3 gallons per 100 sq. ft. If applying two coats, each coat should be 2 to 3 gallons per

100 sq. ft. (First coat must be allowed to dry prior to the application of the second coat.)

Fabric re-enforced damp proofing: Apply one coat of ZOLVCOAT or Non-Fibered Emulsion Damp proofing at a rate of 2 to 3 gallons per 100 sq. ft. Apply any Fiber Glass Membrane or any Bitumen Saturated Cotton Fabric over the wet coating, overlapping all edges. Smooth out all wrinkles, making sure there is no trapped air underneath the fabric. Proceed with second coat at a rate of 2 to 3 gallons per 100 sq. ft.

Polystyrene insulation adhesive: ZOLVCOAT O or any Non-Fibered Emulsion Damp proofing is a water-based Bitumen emulsion that is 100% compatible with polystyrene insulation or protection board. As an adhesive, ZOLVCOAT or any Non-Fibered Emulsion Damp proofing should be applied in 4" diameter dabs directly to the insulation and immediately pressed into place.

When more than two courses are required, wall ties may be required. Let the film to cure for a minimum of 24 to 48 hours prior to backfilling. Care should be taken during backfilling not to puncture or damage the coating. A protection board is highly recommended and backfilling should take place within a week.

FEATURES AND BENEFITS

- ZOLVTEK 219 ZF is a fiber reinforced bitumen emulsion specially developed for high temperature services.
- On drying it forms a firm, flexible and continuous coating with good adhesion to screed, concrete, fiberglass mat etc.
- The fiber content prevents the coating from sagging or flowing even at the extreme temperatures, which roofs and other parts of the building reach in number.
- Suitable for use in both dry and damp surface.
- Easy to apply
- Ready for use; no mixing or heating required.
- Good weather resistance
- Does not brittle at low temperatures.
- Good resistance to soil acids and salts.

TECHNICAL DATA

ZOLVTEK Z219 ZF complies with the specifications of ASTM D-1227

TEST	SPECIFICATION
Color	Black
Solids by Weight	52% Nominal
Solids by Volume	49% Nominal
Weight per Gallon	9.2
Service Temperature Limit	-10 to 100°C
Density	1.040 kg/liter
Non-Volatile Content	Min. 50%
Flammability	No tendency to flash or ignite
Permeability	0.5 perm
Chemical and water resistance	Excellent resistance to water vapour, salt water, dilute acids, & alkalis
Toxicity	Non Toxic
Cure Time	24 to 48 hours @ 77°F and 50% Relative Humidity
Service Temp. (Cured Film):	-5°F to 180°F.
SPECIFICATION	ASTM D-1227 Type II Class I MIL-R 3472A (Except non-asbestos) ASTM D-1187 Type I and Type II SS-R-1781 (Except non-asbestos)

PACKING AND STORAGE

Available in 20 Liters per pail and 200 Liters/drum. Minimum of 12 months in sealed original containers under recommended storage conditions. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin.

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Manufacturers of:

- Bitumen emulsions and primers
- App & SBS modified membranes
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- Construction chemicals
- Road bitumens