

EPOCOTE FS

Waterproof Epoxy Coating

DESCRIPTION

EPOCOTE FS is a high-performance solvent free epoxy coating which is designed for application to concrete and masonry to provide an effective water and damp-proof membrane. The coating cures to form an excellent abrasion and chemical resistant surface. EPOCOTE FS is supplied as a two-component product consisting of a base component and a curing agent component. The two components are supplied in pre-weighed quantities for site mixing.

USES

EPOCOTE FS is designed for use as a liquid waterproof membrane in sub-structure applications such as basement construction, swimming pools and lift pits. EPOCOTE FS may also be used for application to concrete balconies and walkways, to provide a highly durable waterproof coating, with excellent mechanical properties and with a decorative finish. A quartz aggregate may be incorporated into the application of the coating to provide a durable slip resistant coating, suitable for vehicular trafficking. EPOCOTE FS is suitable for application to concrete masonry and steel substrates.

ADVANTAGES

- Solvent free and low odour.
- Excellent adhesion to wide variety of substrates.
- Excellent resistance to water and industrial chemicals.

Property	Value
Colour	Black and Grey
Viscosity	480 CPS @ 20°C
Pot Life	40 minutes @ 20°C 100 minutes @ 10°C
Flexural Strength @ 20°C	60 MPa
Adhesion to Concrete	3.0 MPa (Concrete Failure)
Water Absorption	<1% after 7 days

PROCEDURE

Surface Preparation: Correct surface preparation is paramount for the success of the applied coating. Concrete and masonry surfaces should be sound clean and free from dust, surface laitance, grease, hydrocarbons and other deleterious materials. It is important to prepare the surface by mechanical means such as, vacuum grit blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 97% R.H. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard. Steel substrates should be primed immediately once preparation has finished to obviate flash rusting.

Mixing: The contents of the curing agent component should be poured into the base component tin and mixed thoroughly using a slow speed drill and paddle mixer until a homogeneous mix is achieved which is uniform in colour and consistency. Special care should be taken to ensure that packs are not part mixed.

Application: EPOCOTE FS should be applied using a suitable brush, roller or airless spray equipment at a rate of 3M²/kg. On large horizontal areas it may be beneficial to pour the mixed material evenly onto the substrate so as to increase the pot life. If a sealed non-slip finish is required, then the quartz aggregate should be broadcast into the first coat before removing excess



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aggregate. After a maximum of 24hrs a second coat of EPOCOTE FS should be applied at 3 m²/Kg. If the coating is to be overlaid with a cementitious screed, then a quartz aggregate should be broadcast into the freshly applied coating to provide an effective key.

Curing: EPOCOTE FS will have cured sufficiently after 12hrs at 20°C to be subject to foot traffic, allow 7 days at 20°C before allowing vehicular traffic.

Equipment Cleaning: Tools should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

PACKAGING & COVERAGE

Pack Size: EPOCOTE FS is supplied in 5kg and 20kg packs.

Yield: EPOCOTE FS should be applied at a rate of 3 m²/kg, per coat. 1 x 5kg pack will cover approximately 7.5M² with the recommended two coat treatment.

STORAGE & SHELF LIFE

EPOCOTE FS should be stored in clean, dry conditions at temperatures between 10°C and 30°C. When stored in unopened containers, EPOCOTE FS will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.



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