



EPOSCREED FLEX

FLEXIBLE WATERPROOF MEMBRANE

DESCRIPTION

EPOSCREED FLEX is a three-component rapid-cure flexible waterproof membrane. The applied membrane provides an extremely durable finish which retains a degree of elasticity for the lifetime of the structure. It is highly impact resistant, making it suitable for areas which are to be trafficked. It remains completely impervious to water and when subjected to normal service condition it will provide an effective barrier to water and moisture for the life span of the structure. A slip resistant finish can be achieved by incorporating a quartz aggregate into the membrane.

USES

EPOSCREED FLEX is designed for use as a waterproof membrane for application to roofs, podium slabs, carpark decks and suspended walkways. It is particularly suitable for application to structures that are susceptible to minor cracking. The flexibility of the cured membrane insured that the integrity of the membrane remains uncompromised in the event of a degree of movement in the base substrate.

ADVANTAGES

- Extremely rapid curing.
- Extremely durable and impact resistant.
- Excellent chemical resistance.
- Retains a degree of flexibility once cured.
- Suitable for internal and external use.

LIMITATIONS

Do not apply to wet and un-cured surfaces. EPOSCREED FLEX will taint food during application due to strong odours.

Property	Value
Colours	Red, any BS4800 or RAL colour can be supplied
Pot life @ 20°C	25 minutes
Curing @ 20°C	Foot traffic after 1 hr Vehicular traffic after 24hrs
Elongation @ Break	120%
Adhesive bond to concrete	3MPa (Substrate failure)
Temperature range during application	-30°C to +40°C
In service	-40°C to +60°C
Dry film thickness	2mm - 8mm
Compressive Strength	33 MPa
Tensile Strength	7.1 MPa
Resistance to water pressure	No leakage at 10

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PROCEDURE

Surface Preparation: Concrete and cementitious substrates should be a minimum of 28 days old and the residual moisture content should be less than 6%. The concrete should be clean and free from dust, laitance, grease, oil and other deleterious substances. Any defect in the substrate should be repaired using a suitable PREMCRETE repair product. The top surface of the substrate to which the coating is to be applied should be prepared by mechanical means such as diamond grinding or grit blasting to ensure that a good mechanical key is achieved. Tarmac and asphalt surfaces must be clean, dry and free from contaminants. New tarmac should be allowed to weather to ensure any excess oils are released before application of the coating.

Substrate Priming: Concrete substrates should be primed using EPOPRIME MMA applied with a brush or roller at a rate of 0.3kg/m². The surface profile of the substrate will greatly affect the application rate that is achieved. Allow the primer to cure for a minimum of 45 minutes before application of the EPOSCREED FLEX commences. Primer is not normally required for application to asphalt and tarmac substrates.

Mixing: EPOSCREED FLEX is supplied as a three-component system, consisting of the base component, the catalyst component and the filler component. The catalyst should be mixed into the base component using a mechanical mixing paddle for at least two minutes until a uniform consistency is achieved. The filler component should then be slowly added whilst mixing. Continue mixing until a uniform consistency is achieved.

Application: EPOSCREED FLEX should be applied immediately by pouring onto the prepared substrate and spread to the desired thickness using a serrated trowel or pin leveller. Once the correct level has been achieved, the applied membrane should immediately be de-aerated using a spiked roller.

If a non-slip finish is required, then an appropriate quartz aggregate should be broadcast into the freshly applied coating at a rate of 6/15kg/m². Once the membrane is hardened the excess aggregate may be swept off. If the membrane is to be left exposed, then it should be sealed using EPOSEAL MMA to provide a sealed surface which is easily cleaned.

Equipment Cleaning: Clean equipment using PREMCRETE CLEANING SOLVENT immediately before the coating cures.

Curing: Horizontal Grade will cover 5m² @ 2mm thickness. Vertical Grade will cover 5m² as a 2 coat application.

PACKAGING & COVERAGE

Pack Size: Horizontal Grade: 20kg
Vertical Grade: 5kg

Coverage: A 25Kg bag will cover 1.4M2 @ 10mm thickness.

STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 5°C and 20°C. It is important to provide adequate ventilation to the storage area. This product has a shelf life of 12 months, when stored in un-opened containers.

HEALTH & SAFETY

See separate material safety datasheet.



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Structural Waterproofing | Gas Protection
Concrete Repair Technical Grouts | Joint
Sealants | Protective Coatings | Admixtures

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