EPOCOTE SF

Solvent-Free Epoxy Coating

DESCRIPTION

EPOCOTE SF is a high build, solvent free epoxy coating suitable for application to concrete, masonry and steel, to provide protective and decorative properties. It is a two-component system comprising of a base component and a curing agent. The two components are supplied in pre-weighed packs which are suitable for easy mixing on site. The cured coating exhibits excellent chemical resistance and is highly durable and abrasion resistant. It is available in a number of colours.

USES

EPOCOTE SF is used for application to walls and floors, where a durable chemical resistant and waterproof coating is required. It is suitable for use in food preparation zones, it is also suitable for lining concrete tanks and bunds where superior chemical resistance is required. When a quartz aggregate is broadcast into the coating, it is suitable for use as a slip resistant coating. EPOCOTE SF offers excellent resistance to dilute acids and alkaloids, vegetable oils, petrol, diesel and other hydrocarbons.

ADVANTAGES

- Superior chemical resistance.
- Excellent adhesion to a range of substrates.
- Solvent free and low odour.
- Excellent abrasion resistance.
- Easily cleaned.

Property	Value
Colour	Grey (Any RAL colour can be mixed)
Adhesive bond to Concrete	3.7 MPa (Concrete Failure).
Adhesive Strength to Steel	>12 MPa
Pot Life @ 20°C	60 mins
Tack Free Time	6hrs @ 20°C
Hard Dry Time	16hrs @ 20°C
Full Chemical Resistance	7 Days @ 20°C
Slip Resistance	Pendulum Test Value (PTV) BS 7976-2 (minimum) Smooth Material - Wet = PTV 12 - Dry = PTV 70 Material with aggregate broadcast in - Wet = PTV 60 - Dry = PTV 70

www.premcrete.com | 02380 276166 | sales@premcrete.com
44 Macadam Way, West Portway, Andover, Hampshire, SP10 3XW

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 6% RH.
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 decrease the chance of flush rusting.

Substrate Priming: Porous substrates, may require the use of a primer, EPOPRIME W should be applied to the prepared surface in accordance with the appropriate datasheet. If the floor does not have a suitable damp-proof membrane, then EPOPRIME DPM should be used as the primer to provide suitable resistance to ground moisture.

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 SF should be applied using a suitable brush, roller or airless spray equipment at a rate 3 m^2 per kg. On large horizontal areas it may be beneficial to pour the mixed material evenly onto the substrate to increase the pot life of the coating. After a maximum of 24 hrs a second coat of EPOCOTE SF should be applied at 3 m^2 per kg. If a sealed non-slip finish is required, then quartz aggregate should be broadcast into the first coat before removing excess aggregate and then application of the second coat. 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 SF will have cured sufficiently after 12 hrs at 20°C to be subject for 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 SF is supplied in 5 Kg and 15 Kg packs.

Coverage: EPOCOTE SF should be applied at a rate of 3 m^2 per kg, per coat. 1 x 5 kg pack will cover approximately 7.5 m^2 with the recommended two coat treatment.

STORAGE & SHELF LIFE

EPOCOTE SF should be stored in clean, dry conditions at temperatures between 10^0C and 30^0C. When stored in unopened containers, EPOCOTE SF will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.