ISO 9001:2008
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Epoflo 822

High strength epoxy mastic

Product Description

Epoflo 822 is a solvent free, 3 components epoxy mastic, it is recommended to use for installing new floor and repairing damaged floor. **Epoflo 822** provides a high strength, high impact resistance base coat for self-leveling and roller or spraying apply top coat of epoxy flooring.

Uses

- **Epoflo 822** ideal for use on Factory floors, warehouse, driveways, garage floors, steps, loading bays…

Features and Benefits

- **Low odor**
- **Excellent bond to concrete substrate.**
- **High compressive strength.**
- **High impact strength.**
- **Easy application.**
- **Excellent waterproofing, damp-proofing**
- **Various chemical resistance.**

Technical Data

Appearance	3 components
Flammability	Non flammable
Curing properties	
Working time at 25^{0}C	60 minutes
Tack free at 25^{O}C	8 hours
Initial drying time	9 hours
Full curing time	After 24 hours
Physical properties (25°c)	
Compressive Strength ASTM D-695 7 days 14 days	 Mpa > 30 > 50
Tensile Strength ASTM D-638	 > 12 MPa (14 days)
Flexural Strength ASTM D 348 7 days 14 days	 Mpa > 20 > 25
Slant shear Strength ASTM C 882 2 days 14 days	 Mpa > 16 > 18
Coverage	Approx. 1,5 kg /m^2/ 1mm.
Shelf life	At least 12 months in the original sealed packing.

Storage

Epoflo 822 should be stored in a cool, dry place, preferably in the sealed original packing, at temperature between 2°C and 40°C.
The products should not be stored exposed to direct sunlight.

Safety and Handling Precautions

When handling, does not eat, drink, or smoke.
Wear rubber gloves and boots, face shield, eye goggles and protective clothing should be worn when applying.
Avoid contact with eyes and skin.

APPLICATION INSTRUCTIONS

Surface Preparation

The surface must be structurally sound, free from oil, grease and other forms of contamination. Concrete should be surface dry and suitably prepared either by scrabbling or grit blasting to remove any surface laitance. Steel surfaces should be grit blasted to remove all rust and scale.

Priming

Surfaces must be primed with epoxy primer **Epokote 618 or 619** prior to the application of **Epoflo 822**.
The primer should be applied so that the surface is thoroughly wet, ensuring there is a continuous film of resin over the surface. Particular attention should be paid to cracks. A nominal 500 microns of resin should be applied to exposed reinforcement.
Epoflo 822 should be applied between 20 minutes and 1 hour after application of the primer, whilst the primer is still tacky.

Mixing

Epoflo 822 comprises 3 components, a resin base, hardener and powder component, which are supplied, pre-weighed in the correct proportions.
Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the HARDENER container into the RESIN container. Using a mixer attached to a slow speed electric drill, mix for approximately 2 minutes until a uniform consistency is obtained. The resin mixture should then be transferred to a separate container or forced action mixer such as a rectangle type mixer and the filler gradually added and mixed for a further 2 minutes or until the filler has thoroughly wetted out and a uniform consistency obtained.
Important: Mixing **Epoflo 822** by hand can lead to areas of uncured material.

Application

The **Epoflo 822** should be applied by long flat trowel before the primer has hardened.

Cleaning

Clean equipment with solvent. Hardened material, only removed by mechanically.

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