

Floorkrete

Fast setting concrete patching compound

Description

Floorkrete is an instant concrete repair compound consisting of a specially developed EPU based resin and hardener which can be used for immediate repairs for worn out industrial floors and pavements. Floorkrete is fast setting and forms an instant piece of floor on the worn out areas. It has higher compressive strength than the concrete and adheres well to the old or new floors. Once applied, it can be walked on or trolley can be moved on within hours, thus saving valuable process hours. Floorkrete cured mass shows excellent compressive, tensile and flexural strengths than the concrete and because of these factors, the conventional repair compounds such as asphalt compounds and cement mortars can be easily replaced. Cement mortars need wet curing, while asphalt compounds have no thermal stability.

Uses

Floorkrete is recommended as a useful kit for maintenance managers for whom the time is a prime factor. Floorkrete is used for patching up of larger potholes and repairing of damaged areas on the floors, roads, runways and pavements.

Key features

- Fast setting
- No water curing
- Return to service within hours
- Higher compressive strength than concrete
- Thermally stable
- Water resistant

Properties

Type	: Epoxy – Urethane
Density of the mix ASTM D 1475	: 1.68 ±0.03 gm / cc
Shelf life	: 12 months in the un-opened container

Performance data

Compressive strength IS 9162	: ≥ 125 MPa
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Flexural strength ASTM D 790	: ≥ 30 MPa
Shrinkage during curing	: < 0.2%

Directions to use

The areas to be covered or filled in should be absolutely dry, clean and devoid of dust, oil, loose floor particles, old paint, tar etc. Floorkrete is supplied in kits containing resin, hardener and grey coloured aggregates. Empty all the contents of the kit and mix thoroughly with the aid of a mechanical stirrer for 5 minutes. Lay the mix with a trowel and level it smoothly. Allow to cure for 2-3 hours.

Packaging

Floorkrete is available in 22 kg packs and has a maximum shelf life of 12 months in the un-opened containers.

Storage and handling

The product should be stored in accordance with national regulations. It should be kept in a cool, well ventilated area, away from heat, direct sunlight, sparks and children. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot life time.

Health and safety precautions

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. In case of splashes on the skin, dampen the cloth with thinner PUT 503 and wipe the hands with the cloth. Wash then with soap and water. Dried film is non toxic.

In case of contact with eyes, rinse with plenty of water and seek medical advice. In case of continuous exposure to vapours, the applicator should be immediately moved to get fresh air.

The disposal of excess or waste material should be carried out in accordance with the local legislations.

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Disclaimer

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