

CipogROUT 1000

Epoxy based, three component grout

Description

CipogROUT 1000 is a three component, pourable, high strength grout based on a specially developed epoxy polymer. Designed to withstand high static and dynamic loads, CipogROUT 1000 provides high compressive strength of over 100 MPa coupled with excellent flexural strength and chemical resistance.

A special formulation plus a proprietary aggregate allow CipogROUT 1000 to pass through a standard grout box in quick time. Designed with excellent engineering properties, CipogROUT 1000 provides high bearing and ease of placeability.

Uses

CipogROUT 1000 is formulated for use at flowable consistencies and may be used for bedding, grouting and void filling operations in depths between 20-120 mm. It is used for grouting of large base plates and narrow configurations.

- Base-plate grouting
- Crane and transporter rails
- Industrial equipments subjected to dynamic loads
- Equipment bases where chemical spillages occur
- Grouting pre-cast concrete panels
- Floor repairs

Key features

- Predictable, reproducible performance
- Excellent chemical resistance
- Excellent flexural strength
- Higher compressive strength than any contemporary screeds
- Excellent adhesion to steel and concrete
- Good tensile strength

Properties

Type	: Amine cured epoxy
Mixing ratio (R:H:F)	: 4.74 : 1.26 : 22
Density of the mix	: 2.05 gm / cc
Recommended thinner	
Clean up	: PUT 508
Shelf life	: 12 months in the un-opened container

Performance data

Compressive strength (7 days)	
BS 6319-2	: ≥ 100 MPa
Tensile strength	
BS 6319-3	: 12 – 14 MPa
Flexural strength	
BS 6319-7	: 25 - 27 MPa

Directions to use

The concrete shall be clean, dry, sound, dimensionally stable, free from laitance, paint, oil, grease, and mould releasing agent. Bolt holes and fixing pockets should be blown clean of any dirt or debris. The metal surfaces must be free from rust, loose scaling and paint. Shuttering should be covered with polyethylene to ensure a clean release.

Mixing

Do not commence mixing until all surface preparation, cleaning and shuttering is complete. CipogROUT 1000 is supplied in pre-weighed units. First mix resin and hardener for 1 minute using slow speed drill fitted with helix mixer and then add slowly the aggregates under constant stirring and continue mixing for 2-3 minutes.

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Packaging

Cipogrout 1000 is supplied in pre-weighed packs and has a 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.

Health and safety precautions

Cipogrout GP does not fall into the hazard classifications of current regulations. Suitable protective gloves and goggles should be worn. When in contact with skin and eyes, wash immediately with plenty of water.

For further information, refer to the Material Safety Data Sheet.

Disclaimer

All information contained in this data sheet is given to the best of our knowledge but no warranty is made with respect thereto. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for latest edition. Description and advice regarding Cipy's products are based on long term field and laboratory tests carried out by us. No condition of warranty is given covering the results from the use of materials in the circumstances of any particular application, because the storage, handling and application of the materials are beyond our control.

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