

MonniTite EP

Fast setting epoxy anchoring grout

Product Description

MonniTite EP is a two part toughened epoxy adhesive that cures rapidly and will permanently bond together most building substrates found within the construction industry.

Uses

MonniTite EP is used as a general purpose adhesive for fixing two or more substrates together. It can be used as follows

- ▶ Patching compound
- ▶ Cat's eye adhesive for fixing dowels in highways, roads, bridges, tunnels airports, etc.
- ▶ Vertical and horizontal structural bonding

Advantages

- ▶ Excellent sheer and impact strength
- ▶ Resistant to a wide range of chemicals
- ▶ Excellent adhesion to a wide variety of substrates
- ▶ Fast setting, less down time for traffic
- ▶ Resistant to attack by many chemicals
- ▶ Easy to apply
- ▶ Ecofriendly. 100% solids

Usage Instructions

Surface Preparation

Concrete Preparation
Surface should be dry, clean, sound and uncontaminated. Laitance and loose particles must be removed by either sandblasting or mechanical grinding.

Steel Preparation

All steel surfaces must be clean, dry, free from rust, oil, grease. Shot blasted to Swedish Standard SA 2 ½ is preferable to achieve a white metal finish prior to application.

Mixing

MonniTite EP consists of two components, Part A (resin) and Part B (hardener). Empty entire contents of Part B into Part A and mix thoroughly but quickly over a period of 2-3 minutes. Mixing can be carried out by hand or by electric drill and small paddle attachment. Ensure you reach the bottom and sides of the tin to thoroughly mix together both components. Smaller amounts can be mixed together in correct proportions to avoid unnecessary wastage. Having mixed the two components together, use all within 10 minutes

Application

Fixing Cat Eye

Fill 2/3 of the hole with MonniTite EP mixture ensuring no air entrapment. Insert the stud lug in a twisting motion. Extra adhesive must be applied on the surface for fixing the stud onto the surface.

Dowel Setting Application

Application can be made by mechanical, pneumatic dosage equipment, caulking guns or by hand. Force the mixture into the drilled hole then insert the steel bar with a twisting motion to ensure intimate contact and a good bond without air entrapment. Lightly tap the anchor/dowel to ensure complete embedment. Wipe off any excess material from the surface.

Cleaning

All used tools should be cleaned with SOLVENTE 10 before the product cures. Cured materials should be mechanically removed.

Curing

The gel time of MonniTite EP at +25 °C is approximately 8-10 minutes. Traffic may be opened in 3 hours after mixing and placing (at higher temperature curing would be faster).

Cleaning

All used tools should be cleaned with SOLVENTE 10 before the product cures. Cured materials should be mechanically removed.

Technical Data

Category	Typical Values
Density at 25°C	1.48 kg/L
Mix Ratio by Volume	1:1
Pot life at 25°C (60 grams)	8-10 minutes
Shore D Hardness	Up to 65%
Compressive strength (ASTM D 695)	>40 N / mm ²
Flexural strength (ASTM C348)	18.3 N / mm ²
Bond strength to concrete/Slant shear (ASTM C 881)	8.3 N / mm ²
Bond strength to steel (ASTM C321)	2.2 N / mm ²
Bond strength to asphalt (ASTM D4541)	1.04 N / mm ²
Water Absorption (24 hours) (ASTM D570)	0.035%

All values are subject to 5-10% tolerance

Packaging

MonniTite EP is supplied in 1 Liter kit (2 components).

Shelf Life & Storage

Keep the product in dry, covered conditions between +10 °C to +25°C. In these conditions, product stability is 12 months from date of manufacturing.

Health & Safety

Wear protective gloves and goggles during application. This product contains chemicals which may be potentially harmful to your health if not used properly. It is strongly recommended to read the material safety data sheets for proper storage and to observe precautions. If contact with skin or eyes happen, use resin cream to remove it from skin followed by clean water, do not use solvent. In case of contact with eyes, use clean water and seek medical consultation.

Legal disclaimer

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