



TECHNICAL DATA SHEET

D380 STRUCTURAL EPOXY POURING GROUT

DESCRIPTION

A versatile medium viscosity, three component, epoxy resin based repair compound. Developed specifically for the maintenance engineer with easy application and exceptional performance. This self-levelling, pourable, formulation, provides impact, abrasion resistance and structural strength when required. Ideal for repairs to timber beams or joists, especially when used in conjunction with steel dowel connectors.

FEATURES

- Easy mixing
- High strength
- Faster Curing
- Chemical resistant
- Excellent impact and wear resistance
- Excellent levelling properties
- Excellent adhesion to steel, concrete and wood

PREPARATION

Prior to application all surfaces must be clean dry and sound. When repairing timber beams ensure all holes or cracks are plugged using a suitable epoxy filler prior to applying the Structural Epoxy Pouring Grout. Plastic shuttering may also be used to enable large areas to be built up.

MIXING

Add the contents of Part A to Part B and mix thoroughly. Ensure the sides and base of the container are also scraped clear of resin to ensure correct mixing takes place. This is ideally carried out using a long, flat bladed scraper or similar. Whilst still mixing, gradually add the filler and mix for at least 2 minutes, ideally using mechanical means using a mixing paddle.

APPLICATION

General Repairs - Pour the Structural Epoxy Pouring Grout into the repair area. Avoid air entrapment by pouring with a continuous flow. Although the grout is self levelling, a trowel may be used to spread the material evenly and further remove any air bubbles on the surface.

TECHNICAL DATA

TYPE	-	SOLVENT FREE EPOXY INCORPORATING FILLER.
MIXING RATIO	-	2 PARTS PART B TO 1 PART A (BY WEIGHT OR VOLUME)
WORKING LIFE	-	30 MINUTES AT 20°C
CURE TIME	-	8 HOURS
FULLY CURED	-	5 - 7 DAYS
MIXED DENSITY	-	1.55 g/cm ³

Physical Properties after 24 hours

COMPRESSIVE STRENGTH (ASTM D695)	-	70 N/mm ²
FLEXURAL STRENGTH (ASTM D790)	-	30 N/mm ²
TENSILE STRENGTH (ASTM D638)	-	20 N/mm ²
MINIMUM APPLICATION TEMPERATURE	-	5°C
SHELF LIFE	-	Indefinite in unopened containers.
TENSILE SHEAR ADHESION (ASTM D1002 STEEL TO STEEL)	-	>12 N/mm ²
ADHESION TO WOOD	-	GREATER THAN THE COHESIVE STRENGTH OF WOOD

HEALTH AND SAFETY

Structural Epoxy Pouring Grout is classified as an irritant and corrosive. Wear suitable protective clothing such as gloves and overalls. On contact with skin, wash off immediately with plenty of soap and water. If any irritation persists or a rash appears seek medical advice. For further information refer to Material Safety Data Sheet.

IMPORTANT

The information and recommendations provided are given in good faith based on our current knowledge and experience. However, the differences in substrates, materials and site conditions are such that no warranty or fitness for a particular purpose can be inferred from this information or any written recommendations. The user must test the product's suitability for the intended use.