

TECHNICAL DATA SHEET

High Strength Epoxy Grout FX-OB1000



HIGH STRENGTH EPOXY GROUT



- PRODUCE NAME : High Strength Epoxy Grout
- PRODUCT CODE : FX-OB1000
- SIZE : 3KG
- RATIO : 2:1
- COLOR : PART A- Clear to light Amber
PART B- Amber
MIXED- Amber

FX-OB1000 High strength epoxy grout is free flowing (no sand), for use where physical properties and chemical resistance of the hardened grout are important. It is liquid system consisting of base and hardener

PRODUCT USAGE

- ✓ Provides a free flowing grout, use for physical properties and chemical resistance of the hardened grout are of utmost importance. It is suitable for a wide range of heavy duty applications.
- ✓ Fill in with grout.
- ✓ Heavy industrial applications in steelworks and Structural infill where very high strength is required
- ✓ Support heavy cranes or transport rails.

ADVANTAGES

- ☑ Structurally restores integrity of concrete.
- ☑ High strength, high modulus structural adhesive.
- ☑ Moisture tolerant, excellent in service performance.
- ☑ Ultra-low viscosity for deep penetration
- ☑ Solvent free, user friendly.

TECHNICAL DATA

PROPERTY APPRAISAL

Test Item	Test Result
Tensile Strength (ksi)	5.03
Flexural Strength (ksi)	10.59
Compressive Strength (ksi)	11.68
Density	Approximately 1050 kg/ m ³
Pot life	90 min. at 20°C 40 min. at 35°C

*** Note: Epoxy cure is affected by temperatures. Low temperatures will increase cure time, higher temperatures will decrease cure time. ***

*** For information only - not for specification purposes. ***.

CONDITION PRODUCT

→ Condition cartridge and contents to a temperature of 18°C-29°C (65°F-85°F) for easier dispensing.

SHELF LIFE /STORAGE

→ 24 month shelf life when stored in unopened containers in dry conditions and stored at 4°C-35°C (40°F-95°F)

LIMITATIONS AND WARNINGS

➤ Substrate and ambient air temperature between 6°C and 38°C (50°F and 100°F) to be maintained during the curing period.

APPLICATION INSTRUCTIONS

➤ **MIXING :** Part A : Part B = 2 : 1 by volume

APPLICATION METHOD

STEP1. PREPARATION

- ◆ Under plate grouting
 1. The unrestrained surface area of the grout must be kept to a minimum.
 2. The gap between the perimeter formwork and the plate edge should not exceed 75 mm on the pouring side and 25 mm on the opposite side.
 3. Formwork on the flank sides should be kept tight to the plate edge.
 4. Air pressure relief holes should be provided to allow venting of any isolated high spots.
- ◆ Foundation surface

Properly clean the surface for preparation. Surfaces should be clean, dry, free from oils and rough to ensure optimum adhesion.

STEP2. MIXING

Please prepare an additional container, pour the epoxy resin (A part) and hardener (B part) into the additional container according to the ratio of 2: 1 by volume and mix for 2-3 minutes or until a uniform color is obtained.

**** Note: Immediately prior to placement, all surfaces must be dry.**

STEP3. APPLICATION

1. Ensure that the grout can be placed within its pot life.
2. Continuous grout flow is essential. Sufficient grout must be available prior to starting and the time taken to pour a batch must be regulated to the time taken to prepare the next one. Pouring should be from one side of the void to eliminate air entrapment.
3. The hydrostatic head must be maintained at all times so that a continuous grout front is achieved.

STEP4. CURING

- FX-OB1000 will be hard dry following 10-12 hours cure @ 20°C. At higher temperatures this period will be reduced and at lower temperatures this period will be increased.
- Allow 7 days for optimum mechanical properties and full chemical resistance.

HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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