

TechnoGrout™ EC

Anti-Acid Epoxy Grout

PRODUCT DESCRIPTION

TechnoGrout™ EC is a three-component chemical-resistant epoxy grouting material designed for virtually unlimited pour depths. It provides high flowability, high strength, good adhesion to concrete and steel, resists degradation by corrosive chemicals and does not compromise strength.



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

TECHNICAL DATA (DRY FIBER)

	Unit	TechnoGrout™ E3
Density	g/cm ³	2.22
Compressive Strength (7 days)	MPa	119
Tensile Strength (7 day)	MPa	16.9
Flexural Strength (7 day)	MPa	35
Flexural Strength(7 day)	MPa	30
Mixing Ratio by Weight	Parts A:B:C	2:1:2
Working Time at 21°C	Min	20

ADVANTAGES

- Excellent chemical resistance
- Deep pours / Large Volumes
- High Strength
- Superior adhesion.
- Resistance to Shock, Vibration & Dynamic Load
- Fast cure – Early Loading Capabilities
- Low creep
- Good chemical resistance enables use in challenging environments
- Very low shrinkage for full baseplate contact and load transfer.

TYPICAL USES

- Chemical Pump Bases
- Machinery Base Plates, Sole Plates
- Chemical Storage Tanks
- Rotating Machinery
- Foundation Rebuild / Retrofits
- Skid Mounted Equipment
- Structural Steel Supports

PACKAGING

Component: A = 10kg, B = 5kg, C= 10kg

Component: A = 20kg, B = 10kg, C= 20kg

MIXING

- Pour the hardener (Part B) into a pail of grout resin (Part A) and stir by hand, using a spatula or paint stirring paddle, until well mixed to a uniform color.
- Alternatively, a slow speed drill and mixing paddle may be used, provided that the mixing does not produce a vortex in the material. Excessive mixing will pull air into the product, which may compromise the finished installation.
- Add the grout aggregate (Part C) and mix only until aggregate is completely wetted out to avoid air entrapment.

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

Concrete surfaces should be clean, sound and as oil-and water-free as possible. Excessively damaged concrete should be removed.

APPLICATION

- The mixed grout should be poured steadily from one side only to eliminate the entrapment of air.
- Continuous grout flow is essential.
- Sufficient grout must be available prior



to starting.

- The time taken to pour a batch should be regulated to the time taken to prepare the next batch.

STORAGE

Two years in original unopened packaging when stored in dry conditions; high relative humidity will reduce shelf life

CLEAN UP

Uncured epoxy may be removed from tools and equipment using soap and water or a citrus degreaser. Cured material must be removed mechanically.

FAIRST AID

Skin

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

Eyes

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

Inhalation

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

Ingestion

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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