

TechnoGrout™ E3

Three-Component Epoxy Grout

PRODUCT DESCRIPTION

TechnoGrout™ E3 is a 3-component pourable grout based on epoxy resin and selected aggregates. TechnoGrout™ E3 cures to form a hardened mortar with excellent adhesion to many substrates. Its ease of application makes it ideally suited to high performance grouting in critical site applications.



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

TECHNICAL DATA (DRY FIBER)

	Unit	TechnoGrout™ E3
Density	Kg/m ³	1100
Working Time (32 °c)		10-20 min
Shrinkage(7 day)		-0.0063
Tensile Strength(7 day)	MPa	14
Flexural Strength(7 day)	MPa	30
Mixing Ratio by Volume	Parts A:B:C	2:1:2

ADVANTAGES

- Insensitive to moisture during application, cure or whilst in service.
- Applicable at low temperatures down to 5°C.
- High early strength
- Excellent adhesion to a wide variety of dry and damp substrates such as concrete, stone, fibrous cement, synthetic resins, wood and most metals.
- High tensile and flexural strength, vibration resistant.
- Supplied in factory proportioned units
- Easy to use

TYPICAL USES

- Crane rails
- Machine bedding and baseplates
- Holding down bolts
- Starter bars
- Cavity filling
- Bridge bearing pads
- Precast grouting

PACKAGING

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

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

MIXING

Mix the TechnoGrout™ E3 hardener (Part B) and resin (Part A) to obtain a homogeneous mix, using allow speed electrical mixer.

To obtain a uniform epoxy mortar compound, gradually add the graded aggregates (Part C) to the epoxy fluid while mixing for 2 to 3 minutes.

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

At the time of application of ERM™, the substrate should be completely dry, free from dust, greasy matters, paint and laitance.

To increase adhesion of TechnoGrout™ E3 epoxy repair mortar, prime all areas to be repaired with suitable primer. Ensure that the primer is brushed well into the surface.

APPLICATION

- Apply TechnoGrout™ E3 epoxy repair mortar with a stainless-steel trowel or gloved hand, pressing firmly to ensure bonding.

STORAGE

18 months after manufacturing date in original unopened packaging when



stored in dry conditions; high relative humidity will reduce shelf life.
Protect from direct sunshine.

CLEAN UP

Hardened / cured material can only be mechanically removed.

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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