

Techno Tile 89

Epoxy tile adhesive and grout

Uses

As a chemical resistant adhesive and grout for bonding quarry and ceramic tiles to concrete or steel. Also suitable as a multi-purpose adhesive for bedding and repairs.

- Easy to apply
- Easy to clean up during application - can be washed off with water
- Long working life
- Waterproof
- High resistance to a wide range of industrial chemicals
- Good adhesion to steel, concrete and tiles

Description

Techno Tile 89 is a three component solvent free epoxy resin based adhesive consisting of a white base, a black hardener and specially selected filler. The components are mixed together to give a smooth non-slump paste adhesive and grout.

Properties

Compressive strength (BS 1881. Pt 116)		83 NVmm ²	
Tensile strength	: (ASTMC307-61)	16.6N/mm ²	
Bond shear strength (ANSI A118.3E5.5)	:	7.0 N/mm ²	
Slant Shear Bond Strength	: (BS6319:Pt4) :	35.0 N/mm ²	
Flexural strength	: (ASTM C580)	32 N/mm ²	
		@20°C	@ 35°C
Specific gravity	:	2.0	2.0
Pot life		2 hours	1 hour
Open time		2 hours	1 hour
Adjustability time	:	3 hours	90 min
Initial set		8 hours	4 hours
Initial cure	:	24 hours	18 hours

Modern Technologies for Construction Chemicals

Factory: Wadi Elnatroun - First Industrial Area.

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Instructions for use

Preparation

All surfaces should be clean and free from dust, loose particles and grease. Oil and grease contaminated concrete surfaces should be treated with proprietary chemical degreaser and then washed well with clean water. Steel surfaces should be grit blasted to SA 21/2 and the adhesive applied within 3 hours of blasting.

Mixing

The base and hardener components should be individually stirred to re-disperse any settlement. The base and hardener should then be mixed together until a uniform grey paste is obtained. The filler should then be incorporated using a slow speed drill and paddle.

Application

The mixed adhesive should be spread over the surface using a serrated trowel or comb. Tiles should be placed within the open time of the adhesive.

Cleaning

The tile adhesive can be removed from tiles, tools and mixing equipment before initial set using a damp rag. After initial set the use of techno solvent and / or mechanical removal will be necessary.

Limitations

Application should not commence if the temperature is below 5°C or if the substrate is affected with either frost or ice. Techno Tile 89 should not be applied to damp or wet surfaces nor should it be exposed to moving water during application.

Supply

Techno Tile 89 : 10 liter packs

Coverage

Techno Tile 89 : 50 m² @ 2 mm thickness

Storage

When stored at 30°C in dry conditions in the original unopened packs Techno Tile 89 will have a shelf life of 12 months.

Precautions

Health and Safety

Some people are sensitive to epoxy resin systems and solvents. Ensure adequate ventilation and avoid inhalation of vapor. Wear suitable protective clothing, gloves and eye protection. Direct contact with eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with water and

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immediate medical attention sought

Fire

Techno solvent 102 is flammable. No smoking. Ensure adequate ventilation. Do not use near a naked flame.

Flash

Techno solvent : 33°C

Additional Information

M.T.C manufactures a wide range of complementary products which include :

- waterproofing membranes & water stops.
- joint sealants & filler boards.
- cementations & epoxy grouts.
- specialized flooring materials.
- hand-placed repair mortars.
- spray grade repair mortars.
- fluids micro-concretes.
- chemically resistant epoxy mortars.
- chemically and abrasion resistant coating.

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