

Techno Coat 1100

Two components epoxy resin bonding agent.

Uses

Mainly used as a bonding agent for glass and carbon fiber.

Techno Coat 1100 is used to bond glass and carbon fiber to an existing concrete surface. It is recommended for use on horizontal surface and on vertical surface where the fiber can be supported by form work Ideal for repairs to concrete structures and pavements.

Description

Techno Coat 1100 is a two component solvent free epoxy resin bonding agent. It is a combination of high performance epoxy resins and specially graded aggregates and additives to provide excellent bond strength.

Features

- High temperature resistant
- Solvent free
- Excellent impact, abrasion resistance
- High bonding and compressive strength
- Early strength development
- Adjustable consistency, excellent workability.

Coverage

3-4 Kg/m² /1 mm thickness

Properties

Color: Grey

Solid content: 100%

Density at 20°C: 2.1 g/cc

Processing time at 20°C: 60 minutes

Compressive strength (7 days) (BS 6319): 80-85 N/mm

Tensile strength: 22.6 N/mm²

Flexural strength: 40 N/mm²

Chemical Resistance

Lactic acid	10%	Good
Nitric acid	10%	Good
Acetic acid	5%	Good
Hydrochloric acid	25%	Excellent
Sulphuric acid	10%	Excellent

Modern Technologies for Construction Chemicals

Factory: Wadi Elnatroun – First Industrial Area.

Head Office: New Maadi – 3\288 St.

Fax. & Tel.: 02-25200833 Mob. : 010 209 65554

www.mtcchem.com

Citric acid	10%	Excellent
Tartaric acid	10%	Excellent
Sodium hydroxide	10%	Excellent
Diesel fuel/petrol		Good
Grease		Excellent
Hydrocarbon solvents		Good
Salt water		Excellent
STANDARDS	BS 5080, BS 2782, BS 4551	;

APPLICATION PROCEDURE

1- Surface preparation

The surface to receive Techno Coat 1100 should be structurally sound and clean. Remove traces of oil, mould release agent, curing compound, grease, paint, laitance or any other contaminants. The area shall be dry and free of standing water.

2- Mixing

Mix Part A and part B separately for 1 minute using an electric drill fitted with suitable paddle. Then add Part B into Part A and mix thoroughly for 3 minutes. To achieve a uniform homogenous color and consistency.

3- Placing

Place Techno Coat 1100 as mixed above within the pot life of the product.

Packing

Techno Coat 1100 available in 5 Kg.

Cleaning

All tools shall be cleaned with Techno solvent.

Storage

Store under cover, out of direct sunlight and protect from extreme temperature. In tropical climates the product must be stored in air-conditioned environment. Shelf life is up to 12 months

Health and Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to skin or eyes with fresh water immediately. Should be any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Modern Technologies for Construction Chemicals

Factory: Wadi Elnatroun – First Industrial Area.
Head Office: New Maadi – 3\288 St.
Fax. & Tel.: 02-25200833 Mob. : 010 209 65554
www.mtcchem.com