

# TECHNO EPOXY 165

**Two components epoxy resin anchoring grout.**

## DESCRIPTION

- Techno Epoxy 165 is a two component solvent free epoxy resin anchoring and bedding grout. It is a combination of high performance epoxy resins and specially graded aggregates and additives to provide excellent anchoring strength .

## USES

- Pile cap / pile head encapsulation and ensure water tightness.
- Anchoring of cranes, towers and dock sills.
- Anchoring in concrete, brick work masonry and rock.
- Installation of reinforced concrete starter bars, foundation bolts and railway tracks.

## FEATURES

- Pile head / pile cap encapsulation
- High temperature resistant
- Solvent free
- Excellent impact, abrasion resistance
- High bonding and compressive strength
- Early strength development
- Adjustable consistency, excellent workability and specially formulated for deep grouting.

## COVERAGE

2 Kg/m<sup>2</sup> /1 mm thickness.

## Modern Technologies for Construction Chemicals

Factory: Wadi Elnatron City – First Industrial Area-47 B.

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## 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: 13.6 N/mm
- Flexural strength: 45-50 N/mm<sup>2</sup>

## CHEMICAL RESISTANCE

Lactic acid	10%	Good
Nitric acid	10%	Good
Acetic acid	5%	Good
Hydrochloric acid	25%	Excellent
Sulphuric acid	10%	Excellent
Citric acid	10%	Excellent
Tartaric acid	10%	Excellent
Sodium hydroxide	10%	Excellent
Diesel fuel/petrol		Good
Greas		Excellent
Hydrocarbon solvents		Good
Salt water	3	Excellent

## STANDARDS

BS 5080, BS 2782, BS 4551.

## APPLICATION PROCEDURE

- 1- **Surface preparation:** The surface to receive Techno Epoxy 165 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 Epoxy 165 as mixed above within the pot life of the product .

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## PACKING

- Techno Epoxy 165 available in 1 Kg, 2.5 & 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 topical 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 .

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