

MIXGROUT E300

Three component epoxy resin based anchoring / bedding grout

Mixgrout E300 is a three component solvent free epoxy resin based grouting system for anchoring and bedding. It is a combination of high performance epoxy resins, specially graded aggregates and additives to provide excellent anchoring strength.

Appropriation

Mixgrout E300 is used for suitable application in

Anchoring of cranes, towers and dock sills

Anchoring of bolts and bars with 15mm–60mm diameter in concrete, brick work installation of reinforced concrete starter bars, foundation bolts and railway tracks

Pile cap / pile head encapsulation to ensure water tightness

Characteristics

High temperature resistance

Solvent free

Excellent impact and abrasion resistance

Very good flow characteristics

Early strength development

Adjustable consistency, excellent workability and specially formulated for deep grouting

Technical Data & Properties

Standards conforms to: BS 5080, BS 2782, BS 4551

Colour: Grey / black

Density at 30^oc: 2.1g/cc

Pot life: 30 minutes at 30^oc

Compressive strength: 81N/mm² (7 days)

Tensile strength: 13.6 N/mm²

Flexural strength: 23.9N/mm²

Yield: 10kg will yield approximately 5ltr

Chemical Resistance

Lactic acid	10%	-	Good
Nitric Acid	10%	-	Good
Acetic acid	10%	-	Good
Hydrochloric acid	25%	-	Good
Sulphuric acid	10%	-	Excellent
Citric acid	10%	-	Excellent
Tartaric Acid	10%	-	Excellent
Diesel fuel / petrol			Good
Hydrocarbon solvents			Good
Salt water			Excellent

Product Management

Application procedure: The surface to receive Mixgrout E300 should be structurally sound and clean. Remove traces of oil, mould release agent, curing compound, grease, paint, laitance etc. The area shall be dry and free from standing water.

Mixing: Mix part A and Part B separately for one minute using an electric drill fitted with suitable paddle. Then add Part B into Part A and mix thoroughly for 3 minutes. Later add Part C (aggregates) slowly and mix thoroughly for 5 minutes to achieve a uniform homogenous colour and consistency.

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Placing: Place Mixgrout E300 immediately after mixing. Ensure that the material is placed continuously to avoid entrapment.

Cleaning: Clean the tools with xylene or naphtha solvents after use

Packing & Storage

Mixgrout E300 is available in 5 kg unit & 10 kg unit. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixgrout E300 should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

Health & Safety

Mixgrout E300 contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

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FAB

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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