

MIXSET AG

Polyester resin based anchoring grout

Mixset AG is a high strength, corrosion resistant polyester resin anchoring grout. It consists of two components; pre packed polyester resin and filler. Mixset is available in two grades application i.e., Mixset AGH for horizontal and Mixset AGV for vertical applications

Appropriation

Grouts for dowel bars, anchor bolts, tendons in
Concrete masonry

Brick work

Natural rock

Also used in fixing foundation bolts, barriers, railway tracks, dock sills etc.

Permanent fixing of:

Cranes

Reinforcement starter bars

Characteristics

Early and quickly gains high strength

Resistance against dynamic vibration

Moisture tolerant - can be applied to slightly damp conditions

Corrosion resistant

Technical Data & Properties

Open time: 25 minutes @ 35 °C

Compressive strength (BS 6319): 90N/mm² at 3 hours

96.6 N/mm² @ 24 hours

125 N/mm² @ 7 days

Tensile Strength (BS 6319): 13N/mm² @ 3hours

96.6 N/mm² @ 24 hours

Flexural strength (BS 6319): 26N/mm² @ 3 days

32N/mm² @ 7 days

The formula is used typically shown below

Permitted concrete shear stress using type one bar (N/mm ²)	1.8	2.0	2.2	2.5	
Characteristics concrete strength (N/mm ²)		20	25	30	>40

Re bar (mm)	Yield (tonnes)	Hole (mm)	Minimum hole depth in mm			
12	5.2	20	280	250	225	200
16	9.3	20	490	445	400	355
20	14.5	25	615	555	500	440
25	22.6	32	750	675	615	540
32	37.0	38	1035	930	845	745
40	57.8	45	1365	1225	1115	980

Product Management

Surface preparation: The surface to apply Mixset AG should 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

Mixing: Add Part B powder slowly into part A and mix thoroughly to get a uniform lump free consistency

Placing: Place Mixset AG as mixed above within the pot life of the product. Ensure that the material is placed continuously

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Cleaning: All tools shall be cleaned with xylene or any solvent immediately after use

Packing & Storage

Mixset AG is available in 1 litre kit. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixset AG 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

Mixset AG 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

THE CONSTRUCTION CHEMIST

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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