



FIBRO FIBER REINFORCED MORTAR

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

FIBRO FIBER REINFORCED MORTAR is a fiber reinforced, non-shrink, cementitious repair mortar capable of repairing concrete damages, honeycombs and weakened structures. This is a high technology structural repair material which can significantly increase any structure's Factor of Safety (FoS).



RECOMMENDED APPLICATIONS

- ✓ Repair of concrete honeycombs and columns with exposed rebars which needs a structural reinforcement
- ✓ Any structural repair
- ✓ Heavy duty slabs, precast concrete, runways and roads where shrinkage compensation and energy absorption are critical



ADVANTAGES

- ✓ High flexural and shear strength
- ✓ Impressive load capacity and ductility
- ✓ With non-sag and non-shrink
- ✓ Can support or replace traditional steel reinforcements
- ✓ With excellent abrasion resistance
- ✓ Improved fire resistance



PRODUCT INFORMATION

WORKING TIME: Approximately 1 hour

PACKAGING: 25 kg bag

STORAGE: Store in a cool, dry place, away from direct sunlight

SHELF LIFE: 12 months from manufacturing date

CURING TIME: 24 hrs



TECHNICAL INFORMATION

	1 day	7 days	28 days
Compressive Strength	> 2900 psi	> 4300 psi	> 6500 psi
Tensile Strength in Flexure	> 700 psi	> 870 psi	> 1100 psi



ENVIRONMENT

Our facility complies with the proper waste management procedures. Our products are also free of ozone depleting substances.



SUSTAINABILITY

Our company is committed to Carbon Neutrality thru our various programs such as our GHG Emission Reduction Logistics Approach and OPTI Trees Planting Program.



APPLICATION INSTRUCTION

SURFACE PREPARATION

All surfaces must be smooth, sound and free from debris. Surfaces must be free from oil contamination. Concrete surfaces must be free from any trace of release oils and curing compound. Prior to application, wet substrate well with clean water especially for outdoor application & during extreme hot weather conditions. Chipping is required for smooth substrate.

RECOMMENDED BONDING AGENTS

Use BONCRETE BONDING AGENT WB for applications with light foot traffic

Use BONCRETE STRUCTURAL BONDING AGENT for applications with heavy foot traffic

MIXING. Using a plastic container, place 4.5-5 liters of clean water in the container and add 25kg of **FIBRO FIBER REINFORCED MORTAR**. Mix thoroughly using a slow speed electric drill fitted with paddle for 3 – 5 minutes until desired homogeneous paste is achieved. Depending on the ambient temperature and the desired consistency, the amount of water required may vary slightly but should not exceed 5.0 liters per 25 kg bag of **FIBRO FIBER REINFORCED MORTAR**. Always add powder to water.



COVERAGE

3-4 sqm @ 5mm thickness. Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.



HEALTH & SAFETY

FIBRO FIBER REINFORCED MORTAR is non-toxic but it is alkaline. A dust mask should be used when handling **FIBRO FIBER REINFORCED MORTAR**. Gloves should be worn during application. Refer to Material Safety Data Sheet for more information on Health and Safety



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.

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