



**TECHNY
CHEMY**

TEC[®] MORTAR X
Fiber Enriched Repair Mortar

KEY BENEFITS AND FEATURES

- Anovel blend of select graded minerals, performance polymers and secondary reinforcement fibers resulting in a high performance ready-to-use repair mortar.
- Premixed, Single component- only requires addition of water to obtain free workable consistency.
- Excellent compatibility with concrete and masonry surfaces.
- Bonds extremely well to the substrate.
- Virtually no plastic shrinkage.
- Optimum moisture retention property requiring minimum curing.
- Good workability ensuring neat finish of repair jobs.
- Very thin set applications possible.
- Thick set applications should be done in multiple layers.
- Results in a dense, homogenous, low- porosity mortar.
- Ensures long term durability in repair jobs.

Usage

- Ideal repair system for extensively damaged concrete.
- Highly recommended for spalling rectification in multi location repair jobs like in townships since it does require gathering individual components.
- Uniformity of mix can be maintained since clean water is the only outside component.
- Suited for external repair jobs in warm weather, since the presence of secondary reinforcement fibers will prevent shrinkage cracks.
- Ideal for repairing concrete damage resulting from corrosion of reinforcement.

DIRECTIONS FOR USE

Surface Preparation :

All surfaces coming in contact with Tec Mortar X must be free of dust, loose particles and other contaminants. Corroded reinforcement should be exposed and all rust and scales removed. Steel should be cleaned to a bright color before application. Ideally Grit Blasting would be advised. In case corrosion has occurred due to the presence of chlorides high pressure water washing is recommended immediately after grit blasting. One break-free coat of Tec[®] Beat ZR should be applied to the reinforcement and if needed a second coat. Concrete surface should be roughened to improve bond. Surface should be saturated with water for several hours prior to application of Tec[®] Mortar X repair mortar

Mixing :

Always use potable water. Tec[®] Mortar X should be mixed in a paddle blade mortar mixer. The dosage of water shall be 4-4.5 litres per 25Kg bag of Tec[®] Mortar X. Always place water into the mixer before adding Tec[®] Mortar X to the mix. Continue mixing until a smooth, homogenous mix results. Do not re-temper the mix.

Application :

Surface should be saturated surface dry prior to application of the mortar. Instead, the prepared concrete substrate may be provided with a bonding coat of Tec[®] Bond SBR- Styrene Butadiene rubber based bonding Agent. Tec[®] Bond SBR must be applied on a pre-wetted substrate. For repair sections exceeding 12mm the application of Tec[®] Mortar X may be carried out in layers 10-12mm. Each of the secondary layers may be applied when the preceding layer is impression- free dry. Although application of the bond coat between each layer is not essential, use of repeat bond coats will improve durability of the repair. The entire mix should be applied within 30 minutes of mix preparation.

CURING :

Although Tec[®] Mortar X has excellent moisture retention properties, curing by mild dampening is advised for interior applications. Exterior applications must be water cured for a minimum of three days. Application of curing compound Tec[®] Cure WB will enhance the durability of the repair job.



Certified:
ISO 9001 (QMS) & ISO
14001 (EMS)



Cleaning :

Tools and equipments should be cleaned with water when the mix is in uncured state. Cured mix can only be removed mechanically.

Precautions :

Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. In case of accidental eye contact thorough water washing is advised. This should be followed up with professional medical assistance.

TECHNICAL DATA

Physical State	Cementitious Powder blended with secondary reinforcement fibers
Colour	Grey
Grain Size	0-2mm
Pot Life	30-45 Minutes
Coverage	3 Kg of mix/SqM for 6mm thickness
Compressive Strength: Fluid consistency 7 Days (Water: Powder Ratio: 0.16 at 30°C)	20 N/mm ²
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package

PACKAGING

Available in: 25Kg Bag Packing

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET
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CORPORATE OFFICE:

No.24, Patel Street, Ayyappa Nagar, Tiruchirappali-620021. Tamilnadu, India
Phone : 0431 2458519 Fax No : 0431 2458590 Email : info@technychemistry.co.in
Web : www.technychemistry.co.in