



TECHNY CHEMY

TEC[®] FLOOR RX Rapid Floor Patching Mortar

KEY BENEFITS AND FEATURES

- Select hard wearing aggregates blended with high performance, rapid setting binders ensures an extremely hard and abrasion resistant patching system for concrete.
- Rapid setting property vastly reduces the maintenance shut down time in industrial establishments.
- The patched flooring can be opened to maximum traffic within 30 minutes from the repair job.
- An extremely versatile repair mortar that can be used in any kind of concrete repair applications including
- The repaired patch does not require curing and the repair job is completed the moment the mortar has been worked to match the existing contours.
- Good workability, high compressive strength and high abrasion resistance ensures long life of the repair job.
- Forms into a dense and hard wearing topping that greatly reduce oil/ grease penetration.
- The basic mix has excellent self leveling properties ensuring neat finish in floor repair jobs.
- Extremely good workability can be ensured during the stipulated pot life for high volume applications, vertical and over head applications by adding suitable aggregates.
- The self leveling property of the mortar permits extremely thin set applications even as thin as 2mm.
- The rapid setting and self leveling property permits use of the repair system as an over lay for worn out industrial floor toppings.
- Can be used as an underlay for Epoxy Floor Coatings. Over coating can commence within one hour of the underlay application.
- The surface is also non-slip.
- Considerable cost economy.
- Comes in a pre-mixed pack that only requires the addition of stipulated quantity of water and is easy to apply.

USAGE

- Tec[®] Floor RX can be used for both indoor and outdoor floor repair applications.
- The treated surface is capable of handling heavy traffic within a very short time and can be used for parking lots, loading bays and most of the heavy duty concrete floor patching applications.
- Can be used for all types of concrete repair applications including vertical surfaces and overhead applications like spalling rectification.
- Ideal repair mortar for bridges, piers, industries with heavy duty traffic, textile units with continuous trolley movement, warehouses and production areas with intense activity.
- Can be used as an overlay for badly worn industrial floors that would normally require complete dismantling and re-topping.
- Ideal underlay for Epoxy/ Polyurethane floor coatings.

DIRECTIONS FOR USE

Surface Preparation

The surface to be treated should be sound and free from dust, loose particles and reasonably free from oil/grease contamination. Cracks if any must be treated adequately before application.

Mixing:

Tec[®] Floor RX comes in pre-weighed 10Kg bag that requires only the addition of 2.2litres clean water and mixing before application. Do not add excess water. For best results mix using a high speed drill fitted with a mixing paddle for about three minutes. At this point 6mm downgraded aggregates may be added, upto 1.2 times by weight of Tec[®] Floor RX depending upon the depth profile and type of application, to extend the mix. To ensure uniform performance mix each pack in one go. Do Not break up into smaller units. Wash off all mixing equipments immediately.

Application:

Pour the mix in the prepared area and finish neatly using trowels. The patch can be sanded and/or polished if required. In case of flooring overlay/ epoxy underlay applications sufficient material required for the planned floor area to be covered should be made available at site. Mixing and application should proceed in a well coordinated manner. The homogenous mix should be applied over the prepared surface quickly ensuring that the entire mix is used up well within the pot life. The poured Mix should be spread using a serrated trowel ensuring uniform thickness and simultaneously ensuring that the required thickness is achieved. The wet mix should then be spike rolled thoroughly before the material loses its workability. Trowel marks and overlaps should be neatly Spike rolled ensuring removal of entrapped air. Sufficient trained manpower should be made available at site to ensure that spike rolling is completed within ten minutes from pouring the mix. Avoid application at temperatures above 35°C or below 0 to 15°C. Floor Expansion joints should continue through the Tec[®] Floor RX topping. Or the joints may be saw-cut later.



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



Post Application

Curing is not required and the treated surface may be put to use 30 minutes after application.

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	Dark grey Powder
Pot Life	10 Minutes
Initial Setting Time	15 Minutes
Final Setting Time	25 Minutes
Compressive Strength	4 Hours 28 Mpa
	7 Days 35 Mpa
	28 Days 40 Mpa
Bond Strength	8.1 Mpa (24 Hours)
Tensile Strength	3.4 Mpa (28 Days)
Water Permeability (Depth of Water Penetration)	1.6mm (As Per DIN 1048)
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package

Coverage

	Amount of material required per Sq.mts.	Thickness of Mortar
TEC FLOOR RX without any additives	7.6	4 mm
	11.4	6 mm
	19.0	10 mm
	22.8	12 mm
	47.5	25mm
TEC FLOOR RX admixed with 6 mm downgraded chips in 1:1 ratio	6.0	6mm
	10.0	10mm
	12.0	12mm
	25.0	25mm

Packaging

Available in: 10Kgs

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
REVISED - February, 2010

CORPORATE OFFICE :

No.24, Patel Street, Ayyappa Nagar, Tiruchirappalli-620021. Tamil Nadu, India
Phone : 0431 2458519 Fax No : 0431 2458590 Email : info@technychemy.co.in
Web : www.technychemy.co.in