



TECHNY CHEMY

TEC[®] BEAT ZR Epoxy Zinc Rich Priming System



KEY BENEFITS AND FEATURES

- The corrosion protection mechanism of Tec[®] Beat ZR is an electrochemical process ensuring assured protection to the immediate substrate.
- The presence of 80% active zinc content close to the substrate ensures optimal galvanic protection to steel.
- The coating system bonds excellently to the substrate and exhibits exceptional chemical resistance.
- An idea base coat for high performance top coats.
- A must use product for exposed reinforcement in spalled concrete repair.
- Actively resists corrosion within the boundaries of the repair location and prevents the generation of incipient anodes in immediately adjoining areas.
- Excellent compatibility with Techny's repair system like Tec[®] Mortar X (Fibre reinforced repair mortar) Tec[®] Grout MC (Fluid Microconcrete)
- Bonds exceptionally to cementitious repair mortars.
- Comes in two pre-weighted containers easy to mix and apply.
- Can be applied rapidly over coating can be carried out in one hour's time.

USAGE

- Ideal reinforcement coating system in concrete repairs.
- Useful priming system for marine and offshore structures.
- The active galvanic protection property ensures adequate protection in humid, coastal conditions.
- Ideal for use in highly corrosive industrial environments.
- Typical applications include use in structural steel, pipes, bridges and barges.
- Other applications include use in water treatment plants, chemical plants, fertilizer units, process industry and cooling water.

DIRECTIONS FOR USE

Surface Preparation : Proper surface preparation is the key to any successful Epoxy application. The surface to be coated should be free of dust, laitance, oils or other contaminants. Corroded steel should be free of scales and corrosion deposits. 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.

Mixing : Tec[®] Beat ZR is a two component system. For consistent results mix the entire contents of Part-B Hardner to Part A Base and mix gently for about 3 minutes preferably with a slow speed drill fitted with a stainless steel mixing paddle. The resulting homogenous mix must be of a uniform grey shade. Care should be taken to maintain a clean environment in the mixing area to ensure that the mix is free of any contamination. Ease out air bubbles in the mix before application. Do not thin.

Application : Application of Tec[®] Beat ZR must commence within 3 hours of surface preparation for best results. The mix should then be applied over the prepared surface quickly ensuring that the entire mix is used up well within the pot of life. The application should be done by brush ensuring an unbroken coat. A second coat of Tec[®] Beat ZR is recommended to ensure a break free film. The second coat should be applied when the first coat is tack free dry (usually in about 1 hour). Avoid application at temperatures above 35°C or below 15°C.



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



Post Application : The primed surfaces should not be left exposed to the ambient conditions for longer than necessary before overcoating. Typically Tec^R Beat ZR will protect steel under clean interior exposed conditions for a period of several months. In moderate exterior conditions, a maximum interval of 14 days will be endured but in industrial and/or marine environments this interval should be reduced to the practical minimum. In concrete repair, application of the repair material should proceed immediately after the Tec^R Beat ZR coating is tack-free dry (usually about one hour).

Cleaning : Tools and equipments should be cleaned with Tec^R Nova SOL-Tool Cleaner when the mix is in uncured state. Cured mix can only be removed mechanically.

Precautions : In cases where application involves prolonged inhalation of solvent vapors, adequate ventilation should be ensured before commencing the application job. Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. In case of accident eye contact thorough water washing is advised. This should be followed up with professional medical assistance. Neither the individual components nor the mix should be swallowed.

TECHNICAL DATA

Physical State	Part- A- Liquid Part-B- Liquid
Colour	Grey
Finish	Mild Gloss
Specific Gravity	1.75
Pot Life at 30°C	30-45 Minutes.
Touch Dry	60-90 Minutes.
Over Coating	90-120 Minutes.
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Coverage, for One coat on normal surface	4-5 SqM/Kg of Mix/Coat.

PACKAGING

Available in: 1Kg & 6Kg.

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.

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