



**TECHNY
CHEMY**

TEC[®] BEAT ET Coal Tar Based High Build Epoxy Coating System for Structural Protection

KEY BENEFITS AND FEATURES

- Outstanding compatibility with Steel and concrete.
- Tough, durable and high build significantly lowering maintenance cost.
- Exhibits exceptional bond strength with concrete and steel.
- Resistant to a wide range of chemicals commonly used in water treatment and sewage treatment plants.
- Protects concrete against carbonation and chloride penetration.
- Exceptional build thickness does not require priming.
- High Gloss Finish makes coated area easy to clean.
- Aesthetically pleasing glossy grey finish.
- Easy to apply

USAGE

- Ideally suited coating system for Effluent treatment and sewage treatment tanks.
- Affords excellent protection against corrosion to concrete and steel in aggressive surroundings
- Ideally suited for submerged steel and concrete structures, specifically submerged pipelines.
- The coating is specifically suited for application in petroleum refineries, chemical plants, fertilizer plants, desalination plants and waste water treatment plants.
- In case of aggressive chemical plants, can be applied with an intermediate reinforcement layer of glass fibre to increase thickness.
- Can also be used for water-retaining structures.
- Should not be used for potable 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. Water jetting or brick scrubbing should be adapted to remove surface contaminants. For old Surface with heavy oil contamination, detergent washing with mechanical scrubbing should be followed by thorough water washing. For new concrete surface ample time should be allowed after completion of curing. The surface should be moisture free dry. Tec[®] Beat ET can be applied directly to mild steel and concrete surfaces. Mild Steel Surfaces should be free of rust and scales while applying Tec[®] Beat ET. Ideally grit Blasting would be advised. Priming coat is not always required. In specific cases of highly porous concrete surfaces a priming coat of Tec[®] Nova Primer EP may be applied prior to application of Tec[®] Beat ET.

MIXING: Tec[®] Beat ET is a two component system. For consistent results mix the entire content of Part-B Hardner to Part-A-Base and mix gently for about 3 minutes preferably using a slow speed drill fitted with a stainless steel mixing paddle. The resulting homogenous mix must be of uniform 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.

APPLICATION: The mix should be applied over prepared surface quickly ensuring that the entire mix is used well within the pot life. The application should be done with a brush or by airless spray In case of spray application upto 5% Tec[®] Nova SOL may be added for thinning. Ensure that a neat film is formed without breaks, blow holes, air bubbles or fisheyes. The second coat of Tec[®] Beat ET should be applied when the first coat has reached tack free stage (usually 24hours). 1-3 coats may be applied based on site requirements. Avoid application at temperatures above 35°C or below 15°C.

POST APPLICATION: The coated area should be allowed to set room temperature period of 7 days. The coated surface should be washed with clean water before allowing water storage.

CLEANING: Tools and equipments should be cleaned with Tec[®] Nova SOL - Tile Cleaner and solvent when the mix is in uncured state. Cured mix can only be removed mechanically.



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



Technical Data

Physical State	Part - A - Liquid Part - B - Liquid
Percentage of Solids	68 ± 2
Finish	Golssy Black
Dry Film Thickness (Two Coats)	300-350 Microns
Pot Life at 30°C	60-90 minutes
Over Coating	24 Hours
Initial Cure	48 hours
Final Cure	7 days
Service Temperature	Below 60°C
Chemical Resistance	Water, Salt water, effluent water, sewage water, distilled water, Mild acids and alkails , organic solvents and exhaust and sewage gases.
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened Package
Colour	Grey
Coverage, for One coat on normal surface Tec [®] Nova Primer EP Tec [®] Beat ET	6-8 Sqm/kg of Mix/Coat 6-7 Sqm/kg of Mix /Coat

PRECAUTIONS: In case 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 accidental 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.

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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