



KEY BENEFITS AND FEATURES

- Rapid setting permits completion of jointing or concrete repair jobs in 30-45 minutes.
- Speedy strength gain helps in accelerating restoration time.
- Excellent compatibility with concrete.
- Bonds strongly to the substrate.
- Exhibits excellent dimensional stability. Does not expand or shrink on curing.
- Cured mortar is tougher than concrete and is highly chemical resistant.
- Remains unaffected by oil, grease spillage.
- Also cures in damp, wet and under water conditions.
- Can be extended by addition of aggregates.

Usage

- Ideal for rapid reinstatement of damaged concrete.
- Useful jointing material for concrete pre-cast units.
- Best suited for profiling and bedding of pre-cast concrete members.
- Rapid setting property makes Tec[®] Mortar PE the ideal material for pot hole patching in industrial establishments.
- Can also be used for re-surfacing badly damaged industrial floors.
- Other applications include repairing stair treads, concrete edges, door and window frames, kerbs, concrete cover slab and other structural concrete repairs.,
- Also suited for under water concrete repair.

DIRECTIONS FOR USE

Surface Preparation :

Proper surface preparation is the key to any successful repair application using Tec[®] Mortar PE. The surface to be repaired should be free of dust, laitance, oils or other contaminants. Mechanical means like Grit Blasting or grinding should be adapted to remove surface contaminants. The surface should preferably be dry and should not suffer water ingress. Acid etching with diluted Hydrochloric acid followed by copious water washing will produce a surface similar in texture to fine/medium grit sand paper. Floors with heavy oil contamination, detergent washing with mechanical scrubbing should be followed by thorough water washing.

Mixing :

Two part Tec[®] Mortar PE comes in pre-weighted proportions of Resin and Catalyst. The required resin component should be poured into the plastic mixing pan and the powder hardener shall be added slowly while continuing to mix until a uniform mix is achieved. Only mix as much quantity that can be used within the pot life. Mixing should preferably be done mechanically. When a smooth and homogenous consistency is achieved the mix is ready for placement. Placement should be completed within the gel time of the mortar.

Placement::

The mix should be troweled firmly to ensure a good bond with the substrate. In case of dense substrates a priming coat of the liquid component alone or Resin- Hardener mix in brushable consistency over the prepared substrate is recommended. A maximum thickness of 12mm can be applied in a single layer application. Over lay should be carried out after an inter coating interval of 4 hours. For higher volume applications the mortar mix may be extended by addition of Zone II sand or Coarse aggregate (10-12mm). In case laying large floor areas heat generation on curing may cause cracking. In such cases the topping should be laid in alternate bays of not more than 0.5M X 0.5M. This area may be raised to 1M X 1M when laying using aggregates.

YIELD:

PACK	YIELD/PACK IN LTS	YIELD/PACK IN M3
1kg	0.5	0.0005
4kg	2.0	0.002



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



Cleaning :

Tools and equipments should be cleaned within the pot life of the grout. Tool Cleaner Tec^R Nova SOL may be used for this purpose. Cured grout 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. In case of contact with skin wash immediately with soap and water and not with solvent. This should be followed up with professional medical assistance. Tec^R Mortar PE is flammable. No naked flames should be allowed near the work site. Enclosed spaces must be well ventilated. Smoking should be strictly prevented at the job site.

TECHNICAL DATA:

Physical State	Part A Base- Liquid Part B Catalyst- Powder
Colour of mix	Green
Pot Life at 300C	30 Minutes.
Initial Set (@ 25-35 ³ C)	45 minutes
Minimum time before loading	3 Hours
Compressive Strength when tested as per BS 6319 Part 2: 1983. At Minimum Loading time After 7 Days	>20 N/mm ² 70 N/mm ²
Chemical Resistance	The cured resin is resistant to fresh and salt water, petrol, oils, grease and most acids, alkalis and solvents
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package

PACKAGING

Available in: 1Kg and 4Kg Packs.

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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