



TECHNY CHEMY

TEC[®] POROSEAL 300 Polymer Cement Modifier



KEY BENEFITS AND FEATURES

- High performance polymer-cement modifier and integral waterproofer for concrete and mortar mixes.
- Greatly reduces permeability of concrete and masonry mixes without altering other performance parameters
- Improves workability of concrete and mortar mixes at reduced water-cement ratio.
- Exhibits improved bonding on old and new concrete, masonry and brick surfaces.
- An efficient blend of polymer cement modifier and select fillers that encompasses cement particles to produce a highly workable and low porosity mortar.
- Effectively blocks off capillary pores to prevent raising dampness.
- Improves water repellence and reduces shrinkage cracks in cement plastering.
- Very thin set applications are possible with the admixed mortars.

USAGE

- Ideal waterproofing agent for below grade concrete structures.
- Efficient capillary blocking ability makes Tec[®] Poroseal 300 the perfect admixture for concrete and masonry in Swimming Pools, Sumps and storage tanks and below grade retaining structures.
- When incorporated with masonry mortars for brick work and stone masonry Tec[®] Poroseal 300 greatly reduces moisture through the masonry joints.
- Effective for use in Damp Proof course to prevent moisture transmission and raising dampness.
- Useful for plastering in areas in constant contact with water like wash areas, process areas of food and beverage industry.
- Significantly reduces shrinkage cracks when used with plastering mortars.

DIRECTIONS FOR USE

Blend the required quantity of Tec[®] Poroseal 300 with dry cement and aggregates till uniform dispersion is achieved. Then add the gauging water and mix thoroughly till a dense homogenous mix is obtained.

Post Application

Curing is vital for optimum performance of the polymer cement modifier. Curing should commence 24 hours after application and should continue for a minimum period of 7 days.

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.



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



Technical Data

Physical State	White Powder
Percentage reduction in water	absorption when compared with control sample (1:4) 90%
Chloride Content	Nil
Flexural Strength after 28days in N/mm ²	7
Compressive Strength after 28 days in N/mm ²	36
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Recommended Dosage	500g / 50 kg bag of cement
Compatibility	All types of cements- OPC, PPC and SRC.

Packaging

Available in: 500g Pack

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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