



# TECHNY CHEMY

## TEC<sup>R</sup> WAVE 4000

Single component water proofing coating



### KEY BENEFITS AND FEATURES:

- Outstanding Compatibility with concrete and masonry
- Forms strong bond with the water proofed surface
- Forms a versatile membrane – single product solution for various waterproofing works.
- It is multipurpose & economical product, easy to use
- Prevents cracking by improving flexural strength
- Reduces drying & aging shrinkage cracks
- Can be used with most commonly available cements.

### USAGE:

- Ideally used for water proofing of roof terraces, sunken portions of toilets & bathrooms.
- Is very effective as damp proof coating for basements and below grade structures

### DIRECTIONS FOR USE:

**SURFACE PREPARATION:** The surface should be sound, free from dirt, oils and greases. The surface to be bonded should be thoroughly cleaned by wire brushing. Surface should be washed thoroughly to be free of fine dust. In case of oil/ grease contamination the same should be removed by thorough detergent washing followed by washing with clean water. Very smooth surfaces should be roughened for key. For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application.

**FOR PRIMER COAT- MIXING RATIO:** Add one part **TEC<sup>R</sup> WAVE 4000** to one part of clean water and 1 part of fresh cement (depending on required consistency)

**TOP COAT- MIXING RATIO:** Add one part **TEC<sup>R</sup> WAVE 4000** to one part of clean water and 1.5 part of fresh cement (depending on required consistency)

**MIXING:** Pour the content in a clean vessel by volume and mix to obtain a lump free and homogenous mix that can be applied by brush. Cement should be added while gently mixing in order to avoid lumps. While applying the mix, occasional stirring should continue to prevent the cement in the mix from settling.

**APPLICATION:** Apply with brush two coats of the mix in a span of 4-6 hours on the prepared concrete substrate in short strokes. The second coat shall be applied perpendicular to the first when it has obtained tack free state. Two coats will result in an approximate DFT of 1mm.

**POST APPLICATION:** Curing is vital for optimum performance of the coatings. Curing should commence 24 hours after application and should continue for a minimum period of 7 days.

**CLEANING:** Tools and equipment's should be cleaned with water when the mix is in uncured state. Cured mix can only be removed mechanically.



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



**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. Although **TEC<sup>R</sup> WAVE 4000** is non-toxic it should not be swallowed.

**TECHNICAL DATA:**

Physical State	White Liquid
Maturation time at 30° C	20 minutes
Initial Cure	24 hrs
Final Cure	7 days
Flexural Strength after 28 days in N/mm <sup>2</sup>	7
Compressive Strength after 28 days in N/mm <sup>2</sup>	25
Tensile Strength after 28 days in N/mm <sup>2</sup>	3.7
pH value	7.4
Sp. gravity at 27.5° C	1.01
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Coverage	6-7 sqmtrs for single coat

**PACKAGING**

Available in: 1, 5, 10, 50, 100 and 200 Kgs

**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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