



TECHNY CHEMY

TEC[®] WAVE 7000 Crystallization Type Waterproofing System

KEY BENEFITS AND FEATURES

- A unique chemical formulation for waterproofing and protection of concrete that penetrates concrete pores and forms insoluble crystals blocking off water entry.
- In the presence of water, Tec[®] Wave 7000 continues producing crystals in concrete capillaries ensuring long term success of waterproofing applications.
- Overcomes the characteristic disadvantage of membrane coatings that may tear or puncture on application of brick mortars or steel.
- Both negative and positive side applications possible.
- Capable of bridging hair line cracks upto 0.25mm width.
- Becomes an integral part of the concrete ensuring long term protection.

USAGE

- Ideal Waterproofing system for water retaining structures like Over head tanks, swimming pools, reservoirs and under ground sumps.
- Most suited waterproofing system for Water treatment and sewage treatment plants.
- Can be applied on a variety of substrates like concrete, masonry, heat pressed tiles and asbestos.
- Ideal for waterproofing of Flat and Sloped roofs and sunshades.
- Ideal waterproofing system for negative side waterproofing in basement floors.

DIRECTIONS FOR USE

Surface Preparation : The surface should be sound, free from dirt, oils and greases. Water jetting is the best surface preparation method for Tec[®] Wave 7000 application, since this will ensure that the surface to be treated is free of laitance and other contaminants. Further this will also ensure that the surface is completely water saturated and damp prior to application of Tec[®] Wave 7000. New concrete surfaces should be cleaned with acid to remove release oil residues. Further thorough water washing should be carried out to neutralize the acid used. Initiation of crystallization process in Tec[®] Wave 7000 requires the presence of moisture. In all cases therefore the surface set to receive Tec[®] Wave 7000 should be puddle free damp. Cold joints and cracks exceeding 0.25mm width should be cut to form a neat groove and then filled with a mortar prepared using Tec[®] Wave 7000 and just enough water to obtain a sag free mortar.

Mixing : Tec[®] Wave 7000 is a single component system- only clean water need be added for mixing. Add three parts Tec[®] Wave 7000 to one part clean water and mix thoroughly until a uniform mix of brushable consistency is achieved. Only mix enough material that can be applied well within the pot life. Mixing should continue while applying. Do not re-temper with water if mix thickens.

Application : The surface to be treated should be saturated with water and excess water removed before application of Tec[®] Wave 7000. The mix must then be applied on the prepared concrete surface with a stiff bristled brush ensuring uniform spread and avoiding puddles. Subsequent coats can be applied after the previous coat is surface dry.

Avoid application at temperatures above 40°C or below 10°C.
At temperatures around 30°C the drying time would be 4-6 hours.

Post Application : Curing is vital for optimum performance of Tec[®] Wave 7000- Crystallization type waterproofing system. Curing should commence 24 hours after application and should continue for a minimum period of 7 days. For maximum crystallization to take place the applied coating should be kept continuously moist for a minimum period of 48 hours. And water storage should be permitted only after 7 days of air curing. The crystallization process will continue after storage of water and it may take 2-3 weeks for for the system to reach peak performance.



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



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. Although Tec[®] Wave 7000 is non-toxic it should not be swallowed. Tec[®] Wave 7000 is non flammable.

Technical Data

Physical State	Grey Powder
Mix Design	3 Parts Powder to One Part Potable Water
Pot Life at 30°C for bond coat	20-30 Minutes
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Coverage on normal surface	0.7-0.9Kgs/SqM/Coat

PACKAGING:

Available in: 25Kgs

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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