



PERFECT SEAL CAPILLARY WATERPROOFING

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

PERFECT SEAL CAPILLARY WATERPROOFING is a crystalline waterproofing formulation of selected blends of cement, very fine treated silica sand and various active chemicals providing a lasting imperviousness to water. **PERFECT SEAL CAPILLARY WATERPROOFING** ensures the total and permanent solution to water leakage, ingress or seepage in cementitious substrates. It has a unique chemical treatment for the waterproofing and protection of concrete. The formation and development of insoluble crystals into water bearing capillaries and interstices effectively blocks the further passage of water and ensures permanent water tightness for the life of the structure. This crystalline growth reduces porosity by blocking capillaries and filling hairline non-structural cracks caused by shrinkage or expansion.



RECOMMENDED APPLICATIONS

- ✓ Water treatment and sewage structures
- ✓ Basement walls
- ✓ Irrigation tunnels
- ✓ Supporting walls and columns
- ✓ Tunnels, manholes, silos
- ✓ Foundation slabs inside underground garages



ADVANTAGES

- ✓ Provides total and permanent waterproofing properties by becoming an integral part of the structure to which it is applied.
- ✓ Excellent protection in corrosive environments
- ✓ Crystalline action is reactivated by contact with water providing dormant additional protection.
- ✓ Effective against both positive and negative water pressure
- ✓ Can be painted over



PRODUCT INFORMATION

Packaging: 25 kg bag

Appearance/Color: Dark Gray

Shelf Life: 12 months

Storage Conditions: Store in a cool, dry place

Maximum Grain Size: 0.5 mm



TECHNICAL INFORMATION

Paste Density: 1.8 to 2.0 kg/L

Pot Life: 2-3 hrs



ENVIRONMENT

Our facility complies with the proper waste management procedures. Our products are also free of ozone depleting substances.



SUSTAINABILITY

Our company is committed to Carbon Neutrality thru our various programs such as our GHG Emission Reduction Logistics Approach and OPTI Trees Planting Program.



APPLICATION INSTRUCTION

SURFACE PREPARATION:

Concrete surface to be treated must be clean and free of laitance, dirt, paint coating and other foreign matter. Remove existing coatings, smooth surfaces or laitance by acid etching, water blasting or sand blasting. Structural defects such as cracks, faulty construction joints and honeycombing should be routed out to sound concrete and repaired with a design strength appropriate patching mortar.

MIXING:

For every 25kg bag, mix 8 – 8.25 liters of water. Using a plastic container, place clean water in the container and add **PERFECT SEAL CAPILLARY WATERPROOFING**. Mix thoroughly using a slow speed electric drill fitted with paddle for 3 – 5 minutes until desired homogeneous paste is achieved. It should then adhere to the brush without dripping. If the mixture thickens, re-stir to reduce consistency. Do not add extra water. Proper curing procedures are important to ensure the durability and quality. To prevent surface cracking, curing must begin as soon as the **PERFECT SEAL CAPILLARY WATERPROOFING** has reached initial set. Moist curing using continuous water spray is recommended.

APPLICATION:

For horizontal and vertical surfaces, a roller or paint brush may be used to apply the slurry

CURING

Keep **PERFECT SEAL CAPILLARY WATERPROOFING** treatments moist and by spraying surfaces with a fine mist of water three times a day for 6-7 days (under moist conditions). In warmer climates, more frequent spraying may be required.



COVERAGE

20-24 sqm per 25kg bag at 1 coat. Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.



HEALTH & SAFETY

A dust mask should be used when handling **PERFECT SEAL CAPILLARY WATERPROOFING**. Gloves should be worn during application. HYDROCRYSTALLINE is non-flammable



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.

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