



TOTAL SEAL Hybrid Capillary Waterproofing

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

TOTAL SEAL HYBRID CAPILLARY WATERPROOFING is a 2-component crystalline waterproofing formulation of selected blends of cement, very fine treated silica sand and various active chemicals providing a lasting imperviousness to water. **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** ensures the total and permanent solution to water leakage, ingress or seepage in cementitious substrates. Liquid emulsion acts as an excellent bonding agent to ensure high adhesion strength to substrate to withstand high hydrostatic pressure. 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 structure
- ✓ Basement walls
- ✓ Irrigation tunnels
- ✓ Supporting walls and columns
- ✓ Tunnels, manholes, silos
- ✓ Foundation slabs inside underground garages
- ✓ Potable water cistern tanks
- ✓ STP



ADVANTAGES

- ✓ Provides total and permanent waterproofing properties by becoming an integral part of the structure to which it is applied
- ✓ Active ingredients will not delaminate, peel off or wear away and will protect concrete and reinforcement against corrosive waterborne substances.
- ✓ Crystalline action is reactivated by contact with water providing dormant additional protection.
- ✓ Effective against both positive and negative water pressure.
- ✓ Non-toxic or tainting
- ✓ Can be painted over



PRODUCT INFORMATION

Packaging: 35kg set (25kg powder, 10L liquid)

Appearance/Color: Dark Gray

Shelf Life: 12 months

Storage Conditions: Store in a cool, dry place



TECHNICAL INFORMATION

Density: 2 – 2.5 kg/L

Pot Life: 3-4 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 the design strength appropriate patching mortar.

MIXING & CURING:

Mix liquid part of **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** to its powder part. Mix thoroughly using a slow speed electric drill fitted with paddle for 3 – 5 minutes until desired homogeneous paste is achieved. Allow the mix to rest for 3-5 minutes to allow chemical reaction. 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 **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** has reached initial set. Moist curing using continuous water spray is recommended. Keep **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** treatments moist and cured by spraying surfaces with a fine mist of water three times a day for 2 – 3 days (under moist conditions). In warmer climates, more frequent spraying may be required

PRECAUTIONS:

Do not use **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** over previously coated surface without proper surface preparation.



COVERAGE

30-32 sqm per set of 35 kg set 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 **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING**. Gloves should be worn during application. **TOTAL SEAL HYBRID CAPILLARY WATERPROOFING** 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.

COLORZONE VENTURES CORPORATION

ADDRESS: BLK 1 LOT 6 KIANA BLDG, SOLUNA COMMERCIAL BACOR BLVD, CITY OF BACOR CAVITE

EMAIL: colorzobeph@gmail.com / sales@optimumchemicalsmfg.com

WEBSITE: <https://optimumchemicalsmfg.com>

CONTACT NO: +6346 238 2133 / +63 917 817 3960