

TECHNICAL DATA SHEET

RAYCOAT HYDROPROOF SLURRY is a 2-component crystalline waterproofing formulation of selected blends of cement, very fine treated silica sand and various active chemicals providing a long-lasting impermeability to water. Hydroproof Slurry provides a permanent solution to water leakage, ingress or seepage in cementitious substrates. The liquid emulsion acts as an excellent bonding agent to ensure high adhesion strength to the 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 watertightness 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.

PRODUCT FEATURES

- 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.
- Protects 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.
- Applicable for potable water structures
- Can be painted over.

PRODUCT DATA

Mix Ratio	: 1 L liquid : 2.5 kg powder
Coverage	: 30-34 m ² per coat
Packaging	: 35 kg set (25 kg powder, 10 L liquid)
Storage	: Store in a cool, dry place, away from direct sunlight
Shelf Life	: 12 months from manufacturing date

AREAS OF APPLICATION

- Water treatment and sewage structures
- Basement walls
- Irrigation tunnels
- Supporting walls and columns
- Tunnels, manholes, silos
- Foundation slabs inside underground garages
- Potable water cistern tanks
- STP

SURFACE PREPARATION

Concrete surface to be treated must be clean and free from laitance, dirt, paint coating and other foreign matter. Remove existing coatings, smooth surfaces or laitance by acid etching, water blasting or sandblasting. Structural defects such as cracks, faulty construction joints and honeycombing should be routed out to sound concrete and repaired with hydroplug (see separate data sheet).

MIXING & CURING

Mix the liquid component with the powder component. 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 restore workability. 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 Hydroproof Slurry has reached initial set. Moist curing using continuous water spray is recommended, Keep treated surfaces moist during curing 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 Hydroproof Slurry over previous coated surface without proper preparation. Freshly applied Hydroproof Slurry treatment must be protected from extreme weather conditions such as rain or high temperature for a period of not less than 48 hours after application.

HEALTH AND SAFETY

Refer to Safety Data Sheet

WARRANTY

Due to different methods of applications, and the various properties of surfaces, we cannot assume responsibility or liability with regards to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case, shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case is valid.

