



SIDDHI VINAYAK

CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET

SUPER SEALTM

WATER PROOFING MEMBRANE

DESCRIPTION

Super Seal is a single component, cold applied, elastomeric waterproofing coating for concrete. Develops excellent bond to most building materials. Improves mechanical & physical properties of the coating system when used in conjunction with cement. Reduces or prevents salt penetration into concrete. Resistance to ultraviolet light and waterproofing or by chemicals ranging from mild acids to strong alkalis. It is highly elastic, UV resistant and eco-friendly.

DOSAGE AND USAGE

Sprinkle some water over the surface just before application of Super Seal hardening agent. Apply 2 coats Super Seal at 0.75 lts /m²/coat with an interval of 12 hrs. between the coats and allow to dry completely. 2nd coat to be applied in a direction mix super seal with cement as ratio 1:2 (super seal: cement).

SURFACE PREPARATION

ANY Clean the entire surface with pressure water jet to remove the unwanted dust, loose material, oil or any other material which may impair adhesion of the material. Surface must be cleaned and dried properly so that any cracks on the substrate can be visible. Mark the area having cracks. All surface cracks up to 1-2 mm wide should be filled with Super Seal using a brush. Add a coat on the crack up to 10 mm around it. Cracks more than 1-2 mm should be widened by making V-groove and repaired with PMM (Polymer Modified Mortar) using Super Seal UP (10% by weight of cement). All joints of vertical up stand should have 50x50 mm angle fillets prepared with sand-cement mortar; mixed with Super Seal. Curing to be provided to the angle fillets and repair surface as per standard methodology before application of coating. Apply one coat of Super Seal on the angle fillet area and put 45 gm. Glass fiber mesh 200 mm on both the sides of the fillet to make the junction and corner's receptacle to movements.

ADVANTAGES

- Single component - ready to use UV resistant and resistant to yellowing and weathering.

- Highly elastic and crack-bridging.
- Easily recoated when needed.
- Non-toxic water-based coating.
- Excellent adhesion.
- Seamless waterproofing membrane.
- Eco-friendly

PACKAGING

- HDPE BUCKET

SELF LIFE

12 months from date of production if stored properly in undamaged unopened and original sealed packaging.

STANDARDS

- IS 9103:1999
- ASTM C 494

HANDLING AND STORAGE

Store in a moist free, cool and dry conditions. Protect from direct sunlight and frost. Handle the product(s) very carefully during transportation.

LIMITATIONS

Super seal shall not be added to dry cement. Dosage beyond limits can be used to meet particular mix requirements in consultation with SVCC technical department. Over dosage may cause delay in the setting time and segregation

PROPERTIES

- Chemical Name: ~ Acrylic Polymer base
- Appearance: ~ whites Milky viscous liquid
- Solubility: ~ Water soluble
- Density: ~1.05KG/L at 25°C
- Solid Content [Weight]: ~57.54±1
- pH{value(23°C) 25% of water solution}: ~>8.30
- Viscosity ~ 360/ (cps) at 28°C
- Specific gravity ~ 1.044 at 28°C

SAFETY PRECAUTIONS

Super seal is non-toxic and nonflammable. Splashes on eyes has to be immediately washed with plenty of water and seek medical advice.

Wear all PPEs at the time of the application like safety boots, goggles, hand gloves and masks. Avoid contact with skin and eyes. Any direct skin contact with the products should be washed off thoroughly with soap and water.