



SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET

Concrete Guard Lw300TM Waterproofing Concrete Admixture

DESCRIPTION

Concrete guard LW 300 is an integral liquid waterproofing compound composed of surface-active plasticizing agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation.

DOSAGE AND USAGE

The normal recommended dosage is between 0.3% to 0.6% by weight of cementitious material. The optimum dosage of concrete guard LW300 waterproofing concrete admixture to meet specific requirement should always be determined by trials using the materials and conditions that will be experienced in use. Stir well before use.

ADVANTAGES

- Makes concrete more cohesive, hence protects steel better against corrosion.
- Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- It reduces the permeability of water into concrete.
- The setting time and compressive strength of the concrete remains within the specification limits.
- Reduces shrinkage crack development in plaster & concrete.
- Improves workability of freshly mixed cement concrete.
- Increases durability by improving waterproofing of concrete.
- Self-curing resulting in elimination of water curing.

PACKAGING

- HDPE CANE

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

Concrete guard LW300 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: Polymer base
- Appearance: Deep brown viscous liquid
- Specific Gravity: 1.23 ± 0.02 @ 27°C
- Ph value at 23°C : > 6.5
- Density: 1.23 Kg/L at 25°C
- Solubility: completely soluble in water
- Viscosity (cps) at 28°C ~ 295
- Solid content [% Weight]: $\sim 51 \pm 1.0$
- Chloride Content below 200 PPM.

SAFETY PRECAUTIONS

Concrete guard LW300 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.