

CWC®SMART LASTIC 200

Two Part Acrylic Polymer Based High Performance Waterproof Coating

Description

CWC®SMART LASTIC 200 is a two component, elastomeric, acrylic polymer modified cementitious waterproofing protective coating system in slurry form.

Indicative Characteristics

Color of Pack-A (Liquid)	Milky White
Color of Pack-B (Powder)	Grey
Color of Hardened Coating	Cement like Grey
Workable Time, minutes, 27°C, 70% RH	30 (approx.)
Permeability to water, as per IS 2645	Nil
% Elongation at 14 days, ASTM D 638	200 (minimum)
Tensile Strength at 14 days, N/mm ² ASTM D 638	5 (minimum with fibre mesh)
Coverage	1.5-1.7kg/mm/m ²
Mix Ratio (Liquid: Powder) by wt.	1:1.4
Static Crack Bridging Capacity	2mm (minimum)
Recommended film Thickness	1-1.5mm
Initial cure for light foot traffic at 65% RH,	12 hours
Full Cure at 65% RH	7 days

Domains of Application

- **CWC®SMART LASTIC 200** is used as a waterproofing treatment for large roof, basement rafts, against rising dampness, retaining structures, water bodies, reservoirs, balconies, bathrooms, sunken areas, fountains, dome structures, bridge decks, podium and terraces. Also used as anti-carbonation coating.

- Damp patches on walls, to seal joints through which there is possibility of water ingress and in any other area, where a quick solution for waterproofing and damp proofing is required.
- **CWC®SMART LASTIC 200** can be reinforced with fibre glass mats.

Method of Application

Surface Preparation

Prior to application of **CWC®SMART LASTIC 200**, all surfaces must be prepared properly to avoid failure. The surface shall be cleaned to remove all dust, foreign materials/loose particles or any deposits of contaminants, which could affect the bond between the original substrate and the **CWC®SMART LASTIC 200** system. This can be done by scarifying, grinding, water blasting, sand blasting, acid washing or any other approved method. Rectify depression / honey-comb (if any) in the surface, use **CWC®SMARTCRETE** mortar before application **CWC®SMART LASTIC 200**.

Mixing

CWC®SMART LASTIC 200 LIQUID PART (polymer) is mixed with **POWDER PART** in the ratio of 1:1.4 by weight with a help of low speed (300-400 rpm) paddle mixer. The mix have to be stirred thoroughly, until a lump-free smooth slurry is obtained. Stand for 4-5 minutes after mixing to release air from the mix.

Application

All concrete surfaces (flat and vertical /inclined) shall be thoroughly pre-wetted to saturated surface dry condition ; at the same time there should not be any standing water on the surface or it should not be too wet prior to application of **CWC®SMART LASTIC 200** system. Remix the content again with a spatula and start application by brush, roller or any other suitable tools on prepared surface.

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Minimum two coats are recommended. More number of coats can be provided depending on job requirements. First coat should be allowed to air dry for 5-6 hours. Where more tensile strength is required **CWC®SMART LASTIC 200** coating should be reinforced with non-woven fibre glass cloth.

Curing

After application of **CWC®SMART LASTIC 200**, initial air-drying shall be done for 3-6 hours. During this period, no water should be used for curing. If there is a chance of rain or hot (temperature above 40°C), windy atmospheric conditions within this period, protect the coating by covering with waterproof plastic sheet. After a maximum period of 6-8 hours after the final application, moist curing shall be done for the next 2-3 days, either by spraying water or by using wet burlap. During this period, the **CWC®SMART LASTIC 200** coating at no point of time should be left completely dry or submerged in water. After the moist curing the **CWC®SMART LASTIC 200** coating shall be allowed to air dry for 3 days before submersion in water.

Advantages

- Resistant to UV (Ultra - Violet) rays
- Develops excellent bond with most of the building materials.
- Prevents peeling and blistering
- Arrests salt petre and prevent penetration of salts into concrete and mortar.
- Unaffected by chemical attacks ranging from mild acids and strong alkalis.
- Highly durable in continuous wet service condition.
- One time application, properties improve with age.

Versatile product – can be used for waterproofing, bonding agent for old concrete to new concrete and repair mortar.

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

12 Kg (Part-A :5Kg and Part-B:7 kg kit)

Precautions

- Reinforcement rods and other sharp materials should not be dragged over the **CWC®SMART LASTIC 200** membrane, as this can puncture the same.
- **CWC®SMART LASTIC 200** shall always be used in combination of Pack A and Pack B in recommended ratio for the indented purpose as mentioned above.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemicals.com