

Technical Data Sheet (TDS) of Flexi-Crete SC 300

Description

Flexi-Crete is a modified acrylic hybrid system for high performance waterproofing of concrete and various other surfaces. It can also be used as crack sealing compound. It is manufactured by employing state-of-the-art emulsion polymerization technology ensuring product consistency.

Advantages

- Excellent adhesion to various construction materials.
- Flexible waterproofing coating.
- Can be used as a crack repair product.

Areas of Application

- Terraces, basements, swimming pools
- Masonry walls, asbestos roofs, siporex blocks
- China chip terraces, sloping RCC roofs, etc

Technical Specifications

Appearance	Milky white pourable emulsion
Emulsifying System	Synthetic anionic
Total Solids (%)	30 + 1
pH at 25°C	8 + 0.5
Brookfield Viscosity RVT (CPS) SP.3, 20 RPM at 25°C	40 cps max
Surface Tension (Dynes/cm) at 25°C	45 + 5.0
Density (gm/cm³)	1.015 ± 0.015
Dilutability with water	Dilutable in any proportion
Compatibility	Compatible with all grades of cement, thickeners and fillers
Approximate Coverage**	30 SFT/Kg (2 Coats)

**This is an approximate coverage. Actual coverage obtained will develop on lot of factors including quality of surface, skill of application, which is beyond our control. Poly Flex does not offer any guaranty on the actual coverage obtained.

Suggested Application Procedure

1. Clean the concrete surface completely with a brush so that it is free of dust, oil and grease.
2. Repair all cracks, honey combing, etc and prepare surface to receive waterproofing treatment. Make sure all the depressions, undulations, etc on the surface are repaired appropriately.
3. Wash the concrete surface with water.
4. Mix Flexi-Crete SC300 and cement (**OPC Grade 53 or 43 only**) in the ratio 1: 2 and dilute the mixture with 10% water of Flexi-Crete SC300.
5. Pre-wet the surface to be treated.
6. Apply first coat of Flexi-Crete SC300 cement mix on moist surface in vertical direction.
7. After 4 to 6 hrs apply 2nd coat of Flexi-Crete SC300 cement mix in horizontal direction.
8. After air cure for 4 to 6 hrs, **cure the coated surface with spraying of water for 48 hrs. It is important to keep the surface damp for 48 hours.**
9. After 48 hrs surface is ready to use.

Note:

- It is very important to damp cure the area treated with Flexi-Crete SC300. Inconsistent/improper curing will lead to peeling of the Flexi-Crete SC300 coating.
- Fresh coated surface should not be made dry or submerged in water for 48 hrs.
- Please make sure that the entire procedure is completed once you start the application for a particular area.
- If the treated surface is likely to be subjected to foot traffic, it is recommended to protect the surface suitably.
- Stagnant water is not allowed.

Recommended Storage

Flexi-Crete CH should be stored in clean and covered surroundings and it should be stored in a way that there is no physical damage to the can during storage. It should be stored between 5°C – 40°C and avoid exposure to sunlight.

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