

## Technical Data Sheet (TDS) of Flexi-Crete CH

### Description

Flexi-Crete CH is UV resistant specialty transparent polymer coating designed for terrace waterproofing.

It is manufactured by employing state-of-the-art emulsion polymerization technology ensuring product consistency.

### Advantages

- High elongation with high tensile strength.
- Transparent coat and hence maintains the beauty of china chips.
- Excellent adhesion to the china chips without any mechanical key.
- Provides good abrasion resistance.
- Provides excellent waterproofing properties.
- High crack bridging ability up to 1 mm.
- Penetration in the substrate due to very low particle size.
- Excellent resistance against UV, infrared rays and algal and fungal growth.
- “Do-it-Yourself”- can be applied by brush, roller or spray.
- Eco friendly due to low VOC.
- Cost effective.

### Areas of Application

- China chip terraces
- Any china chip flooring

### Technical Specification

<b>Total Solids (%)</b>	<b>40 ± 1</b>
<b>pH at 25°C</b>	<b>7.5 – 9.5</b>
<b>Brookfield Viscosity LVF (CPS) SP 1, 60 RPM at 25°C</b>	<b>50- 100max</b>
<b>Glass Transition Temperature</b>	<b>22°C</b>
<b>Density</b>	<b>1 gm/cm<sup>3</sup></b>
<b>Dispersion Type</b>	<b>Anionic</b>
<b>Elongation (%)</b>	<b>50-60</b>
<b>Approximate Coverage**</b>	<b>20 - 25 SFT/Kg (3 coats)</b>

\*\*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. Prepare the surface to be treated by repairing the cracks, voids, depressions, etc and thoroughly cleaning it and making it free from dust, dirt, oil, and loose particles.
2. Wash the surface with water.
3. Apply one coat of Flexi-Crete CH with a brush. Make sure the Flexi-Crete CH is applied in one direction. Allow it to dry for 3 hours.
4. Apply the second coat of Flexi-Crete CH on the dried first coat, in the direction perpendicular to the first coat. Allow it to dry for 3 hours.
5. Apply the third coat of Flexi-Crete CH on the dried second coat, in the direction of the first coat.
6. Allow it to air dry for 3 days for complete cross linking of the coating.
7. After 72 hrs. surface is ready to use.

### 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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