

## Technical Data Sheet (TDS) of Flexi-Crete PM 650

### Description

Flexi-Crete Polymeric Membrane PM 650 is a heavy duty fiber reinforced terrace waterproofing coating, which can also be used as an anti-root barrier. The product is designed to have a high tensile strength and forms an elastic coating to withstand the movement of structures.

### Advantages

- Waterproofing and Anti-root barrier.
- Crack bridging ability upto 2mm width.
- UV resistant.
- Ready to use and easy to apply.
- Self-primer, hence no additional primer required.

### Areas of Application

- Terraces

### Technical Specifications

<b>Solid Content</b>	<b>~65%</b>
<b>Polymer Contents</b>	<b>~40%</b>
<b>Tensile Strength</b>	<b>&gt;2 N/mm<sup>2</sup></b>
<b>Elongation</b>	<b>200%</b>
<b>Algae and Fungal Growth</b>	<b>None</b>
<b>Chloride Permeability</b>	<b>Low</b>
<b>Approximate Coverage**</b>	<b>12-15 SFT/Kg (1 primer coat + 2 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. 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. Proper surface preparation is required to ensure that there is no stagnant water once the coating is done. No stagnant water is allowed on the coating.
4. Wash the concrete surface with water.
5. Mix Flexi-Crete PM 650 with potable water in the ratio 1:1 to form the primer. Apply the primer coat with a brush in a uniform way and allow it to dry for 2-3 hours.
6. Apply the first coat of Flexi-Crete PM 650 without any dilution in a uniform way. Allow it to dry for approximately 6 hours.
7. Lay an 80 GSM fiber mesh on the surface where the first coat of Flexi-Crete PM 650 has been applied.
8. Apply the second coat of Flexi-Crete PM 650 without any dilution in a uniform way, in a direction perpendicular to the first coat.
9. Air cure for 7 days.

### Recommended Storage

Flexi-Crete PM 650 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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