



## Anti – Carbonation Coatings

### DESCRIPTION

Anti-Carbonation Paint is a water based, acrylic coating, for protection of concrete structures from the carbonation process. It is an elastic coating that protects the concrete from chloride ion ingress and also slows the passage of water vapour. The thick layer of the Flexi-Crete AC paint acts as a barrier, and does not allow the CO<sub>2</sub> and other contaminants to penetrate the concrete surface.

### ADVANTAGES

Apart from anti-carbonation treatment, some of the other advantages of Anti - Carbonation coating are as follows:

- Protects concrete against chloride ion ingress.
- Ability to seal hairline cracks formed.
- Waterproofing of concrete.

### AREAS OF APPLICATION

- Bridges, Buildings Car parks
- Reinforces columns, soffits and beams
- Almost every concrete structure

### TECHNICAL SPECIFICATIONS

<b>Appearance</b>	White
<b>CO<sub>2</sub> diffusion resistance equivalent air thickness</b>	>250 M
<b>DFT</b>	Approx. 200 microns (2 coats)
<b>Crack bridging ability</b>	Up to 2.0 mm
<b>Specific Gravity</b>	1.30 to 1.35
<b>Viscosity at 25°C</b>	120 KU
<b>pH at 25°C</b>	8 to 9.5
<b>Solid Content ( % )</b>	60±1
<b>Base Polymer</b>	Acrylic Polymer
<b>Approximate Coverage**</b>	30 SFT/Kg (1 coat of primer + 2 coats of paint)

\*\*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. Primer Coat: Mix Flexi-Crete AC with clean potable water in the ratio of 1:1 and apply it on the concrete/plaster surface with a brush in a uniform way. This is the primer coat.
4. Approximately 2 hours after the application of the primer coat, apply Flexi-Crete AC on the concrete surface uniformly without any mixing or dilution.
5. Allow 2-3 hours for the first coat to dry.
6. Once the first coat is dry, apply second coat of Flexi-Crete AC in a similar manner.
7. Allow the second coat to dry for 3 hours before further activity.

### RECOMMENDED STORAGE

Anti Carbonation Paint 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.