



CONCRETE COATINGS

Anticarb Pro Coating

Scope

A single pack, solvent based, aliphatic acrylic anticarbonation coating designed for protection of concrete from carbonation distress. With suitable silane siloxane primer-sealer, it shall render protection in severe and aggressive atmospheres.

Uses

Ideal for use as an anti-carbonation coating to protect exposed reinforced concrete structures of bridges, tunnels, exterior of water tanks, reservoirs, and other infrastructures situated in aggressive marine and coastal atmospheres. It is also recommended over cementitious and masonry substrates on all types of structures for protection against attacks on concrete by chloride ions, sulphate, oxygen and water.

Product data

Type	Single Pack
Composition	Solvent based thermoplastic aliphatic acrylic
Application	Brush, Roller, Spray
Recommended DFT	75 microns per coat
Volume Solid	43%
Mixing of Thinner	not recommended
Theoretical Spreading Rate	5.7m ² [depends on surface porosity]
Drying Time	45 minutes
Overcoating Interval	minimum 24 hrs @300C
Colour	white
Thinner/Cleaner	Thinner 828 (for cleaning of tools; not for mixing with product)
Finish	smooth
Packing	20Ltr
Storage Life	Upto nine months as long as the sealed containers are kept in a cool dry place (100 to 350C) and in original unopened containers.

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Substrate preparation

Concrete substrate must be fully cured, dry, sound and clean. It shall be free from other contaminants, such as curing compounds, sealers, oil, grease, dust, salts etc. The guideline standards for preparation of concrete is as per SSPC SP 13; Cleaning with required tools to free of contaminants, laitance, loosely adhering concrete, dust by mechanical, chemical and or thermal methods.

Weak concrete must be removed. All voids, dents are to be repaired. All cracks, dents and voids depending on the size and depth should be filled suitably with putty or mortar after priming. Spot priming should be done after repair.

Application guidelines

Substrate temperature should be between 150-350C. Relative humidity during application should not be more than 80%. Substrate moisture content should be lower than 5%. The contents should be agitated with a slow speed stirrer to obtain a homogeneous mix. Thinning is not recommended for application. Apply liberally to achieve the required dry film thickness.

Precautions

Ensure substrate free of contaminants and solvents after surface preparation. As a general precaution forced ventilation should be provided when applying coating in confined spaces. Inhalation of solvent vapours, or coating mist and contact with skin or eyes should be avoided. Safety precautions as with any epoxy compounds should be adhered. Refer MSDS and health and safety guidelines.

Painting Systems

Product	Coat	Thickness
Anticarb Pro Clear	one	10- 15 microns
Anticarb Pro Coating	two	75 microns per coat

DISCLAIMER

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