



PACTOProof 300AC

Anti Carbonation, Aliphatic Protective Coating

DESCRIPTION

PACTOProof 300 AC is a high performance pure aliphatic acrylate resin based protective coating available in clear and pigmented versions.

TYPICAL USES

PACTOProof 300 AC is designed to provide protection for atmospherically exposed, reinforced concrete structures against attack from moisture ingress, acidic gases, sulphates, carbonations and chloride ions. Typical applications include high rise buildings, villas, marine structures, concrete cladding, precast units, bridges, domes, car park walls and ceilings, boundary walls, stairs, cement silos, etc.

ADVANTAGES

- Excellent resistance to UV, weathering and CO2
- Highly durable, extends the life of the structure
- Breathable
- Non-yellowing, low dirt pick up
- Suitable for internal and external use
- Single component, easy to use
- Excellent build properties enables application to both horizontal and vertical surfaces
- Wide range of colours available

TECHNICAL DATA (TYPICAL PROPERTIES at 25 °C)

PROPERTY	TEST METHOD	VALUE
Component		Single
Form		Liquid
Colour		Clear and pigmented
Specific Gravity	ASTM D1475	1.00 +/- 0.02 (Clear) 1.23 +/- 0.02 (Pigmented)
Solid Content	ASTM D 244	20 +/- 3% (Clear) 55 +/- 3% (Pigmented)
UV Resistance	ASTM G 53	No change in colour/appearance after 300 hrs (accelerated test)
Reduction In Chloride Ion	ASTM C 1202	> 95%
Crack Bridging Ability	ASTM C 836	1.5 mm
Bond Strength	ASTM D4541	> 1 N/mm ²
Depth of Carbonation		Nil
Water Absorption	ASTM D 870	Nil
Water Permeability	BS 12390-Part 8	Nil
Drying Time	ASTM D2939	40-60 mins
Recoat Time	ASTM D 2939	Minimum 4 hrs

APPLICATION

Surface Preparation

Surfaces should be dry and free from contamination such as oil, grease, loose particles, algae growth, laitance, mould release oils, etc. After applying primer, small holes, pinholes, defects, hairline cracks shall be sealed by using **PACTOProof 300 AC** Filler putty. Repair materials / sealer / primer, should be allowed to dry prior to the application of the first coat of **PACTOProof 300 AC**.

Priming

Concrete and masonry surfaces should be primed with **PACTOProof 300 AC** Primer. Steel, aluminum, galvanized steel, plastic to be primed with special primer.

Mixing

Stir the material thoroughly before applying.

Application

PACTOProof 300 AC may be applied by suitable brush, roller or by airless spray equipment. Minimum two coats are recommended. The first coat should be applied to achieve a uniform coating with a wet film thickness of not less than 175 microns. This coat should be allowed to dry before applying the second coat. Prior to application of the second coat any pinholes or surface irregularities should be repaired with **PACTOProof 300 AC** Filler putty and allowed to dry before proceeding. The second coat of **PACTOProof 300 AC** should be applied in perpendicular direction to the first coat with wet film thickness of not less than 175 microns.



EQUIPMENT CLEANING

Clean all equipment and tools with water immediately after use.

COVERAGE

PACTOProof 300 AC (Pigmented): 2.85 m²/ltr/coat at 175 micron wft

PACTOPProof 300 AC (Clear) : 10-12 m²/ltr/coat.

PACTOPProof 300 AC Primer : 4m²/ltr/coat

Actual coverage will depend on texture and porosity of substrate.

PACKAGING

PACTOPProof 300 AC (Pigmented) : 20 ltr

PACTOPProof 300 AC (Clear) : 5 ltr and 20 ltr

PACTOPProof 300 AC Filler : 5 ltr and 15 ltr

PACTOPProof 300 AC PRIMER : 20 ltr

STORAGE AND SHELF LIFE

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH AND SAFETY

PPE's Gloves, goggles & suitable mask must be worn.

Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Hazard Regarded as non-hazardous for transportation.

Disposal

Do not reuse containers. To be disposed off as per local rules and regulations.

Additional Information Refer MSDS. Available on request.



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