



PACTOProof APC

Pure Acrylic High Performance Protective Coating

WATERPROOFING

DESCRIPTION

PACTOProof APC is an environment friendly, single component, water based, pure acrylic co-polymer protective coating. It is a crack-bridging coating containing additives to inhibit the growth of mould and bacteria. It protects structures from aggressive elements. It is highly resistant to water penetration, yet it allows vapor to pass through it.

TYPICAL USES

PACTOProof APC is used to protect and waterproof roofs, exterior and interior walls, plasters, renders, etc. It is used as an UV resistant and anti-carbonation coating for car parks, bridges, tunnels and structures exposed to aggressive elements.

ADVANTAGES

- Excellent resistance to UV, weathering and CO2
- Single component, easy to apply
- Highly flexible
- Excellent long term durability
- Can be applied to a wide range of substrates
- Reduced energy cost due to heat reflectivity
- Low maintenance costs
- Can be applied over existing systems e.g. sheet membranes, etc.
- Environment friendly, can be applied in confined areas.
- Excellent build properties. Enable application to horizontal and vertical surfaces
- Available in a wide range of colours
- No solvents or fire hazard
- Resistant to foot traffic
- No dirt pick

TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Component		Single
Form		Liquid
Colour		White, other colours available on request
Specific Gravity	ASTM D 1475	1.30 ± 0.05
Solid Content	ASTM D 1644	55 ± 5

PROPERTY	TEST METHOD	VALUE
Drying Time		40-50 mins.
Recoat Time		Minimum 3 hours
Full Cure		Minimum 7 days
Bond Strength	ASTM D 4541	>1.0 N/ mm ² at 28 days
Tensile Strength	ASTM D 412	>2.5 N/ mm ²
Water Absorption	ASTM D870	Nil
Crack Bridge Ability	ASTM C836	No crack at 2 mm width
Elongation	ASTM D412	>300%
UV Resistance	ASTM G53	No effect, or change in colour after 300 hrs (Accelerated Condition)

SURFACE PREPARATION

Surfaces shall be sound, clean, dry and free from oil or grease. Concrete and masonry surfaces should be primed/sealed with APC Primer No-1.

After applying primer, small holes, pin holes, defects, hairline cracks shall be repaired by using PACTORep range of repair materials. Primer should be allowed to dry prior to the application of the first coat of **PACTOProof APC**.

Special recommendations for critical areas of application: It is recommended to use PAC Tape at all critical areas such as overlaps and j-hooks in metal roofs, intersections, corner joints, floor / wall junctions, gaps, and peripheral areas of pipelines before the application. Before fixing the PAC Tape, the gaps and corners should be filled and leveled with polymer modified mortar PACTORep FC or HB.

MIXING

Stir the material thoroughly before applying.

APPLICATION

Prior to applying **PACTOProof APC**, all detailing work must be completed on seams, splits, protrusions, fixings, drains, flashings, fasteners, etc. Material should be applied by using brush, roller or airless spray at 400 μ WFT per coat.



PACTOProof APC shall be extended to 10-15 cm over pipes, parapets, vents and fixings. The coating should be extended under flashings. On roof decks, balconies etc. **PACTOProof APC** may be reinforced with glass fiber mesh or other suitable material embedded into the first coat when wet. Second coat shall be applied in a direction perpendicular to the first coat. All dirt, dust or contamination that falls on the coating between coats should be removed before applying the next coat. Film thickness may be checked with a wet film gauge.

The product will be touch dry in approximately 40 minutes and may be over coated after 2 hours drying under normal conditions.

This can be assessed at the time of application and is influenced by ambient temperature, humidity, airflow and type of surface treated

LIMITATIONS

Not recommended for areas where continuous water ponding is expected and areas subjected to hydrostatic pressure. **PACTOProof APC** should be protected from rain for a minimum period of 48 hours after application.

In high temperatures, opened containers of **PACTOProof APC** may skin. Remove the skin before mixing. To prevent skinning, keep the container covered during use.

Diluting **PACTOProof APC** with water is not recommended. At temperatures below 15°C, spraying **PACTOProof APC** will become more difficult due to its cohesive nature.

PACKAGING

PACTOProof APC: 20 liter
APC Primer No-1: 20 liter

COVERAGE

As a protective coating: 2.5 m²/liter/coat at 400 μ WFT (200 micron DFT) Minimum two coats recommended.

As waterproofing: 1.7 m²/liter/coat at 300 μ DFT for roof, slab, flat concrete, bathrooms, etc. (Recommended 600-700 μ DFT in 3-4 coats embedded with fiber mesh)

STORAGE AND SHELF LIFE

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

EQUIPMENT CLEANING

Cleaning: Clean all equipments and tools with water immediately after use.

HEALTH AND SAFETY

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

Precautions: 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.

For additional information pls. refer to MSDS, available on request



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