TAT YIN (HK) CO., LTD.

TECHNICAL DATA

TufGuard AC

High Performance Liquid Applied Acrylic Waterproofing System

2019092

DESCRIPTION

TufGuard AC is a single pack, high build, flexible, elastomeric waterproof coating based on weather resistant pigments, fillers and styrene acrylic ester resins. It allows concrete to breathe whilst maintaining waterproofing characteristics, has excellent bond strength and fills and bridges hairline cracks. The cured membrane provides excellent resistance to carbonation and prevents chloride ion ingress.

ADVANTAGE

- Waterproof, weatherproof, excellent UV resistance.
- High build coating helps mask surface imperfections in concrete.
- Excellent bond strength.
- Seamless & flexible for bridging hairline cracks.
- Solar reflective.
- Single component. Easy to apply by brush, roller or airless spray.

USAGE

- Used as an external and internal coating for concrete and masonry.
- Used as an anti-carbonation coating.
- Used as a protective coating for sea walls and coastal environments.

SPECIFICATION COMPLIANCE

- ASTM D2370
- ASTM C1202:2005
- ASTM E 96

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PHYSICAL & MECHANICAL PROPERTIES

Property	Typical Results
Appearance	Grey thick paste
Specific gravity @ 25 ˚C	~1.25
Reduction in chloride ion penetration	≥ 97%
Reduction in water absorption	≥95%
Water vapour transmission	< 1 Perm
Chemical Resistance	Resistant to spillage of gasoline, diesel, sewage, weak acids and alkalis

APPLICATION INSTRUCTIONS

Surface Preparation : Ensure that surfaces are clean, sound, stable and free of dirt, dust, grease and any other contaminants. Remove any traces of algae and fungal growth with a wire brush, treat with a fungicide solution and wash down with clean water. Old concrete may require grit blasting to remove old coatings or membranes. New concrete can be coated once the initial water-curing period is over (approx. 7 days).

Application : Apply **TufGuard AC** onto the surface in one direction taking care not to be scrub the material or brush unevenly. Allow to dry and inspect for imperfections that should be made good prior to application of second or any subsequent coats. Apply second (and any subsequent coats) at right angles to the previous coats.

Cleaning : Wash tools with water immediately after use. If product has set, remove with a knife and immerse in water.

Watchpoint : Do not apply **TufGuard AC** when rain is likely as full resistance is only achieved in the fully cured state.

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COVERAGE

Consumption of TufGuard AC will be around 4 to 5 m²/litre @ 200 micron DFT depending on the substrate's texture, porosity, ambient temperature, etc.

PACKAGING

20 Litre drum.

STORAGE

It has a shelf life of 12 months provided it is stored under cover, out of direct sunlight.

HEALTH & SAFETY

TufGuard AC does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately- do not induce vomiting.

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