



TufGuard AC

High Performance Liquid Applied Acrylic Waterproofing System

Uses

- 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.

Typical Applications & Advantages

- 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.

Standard Compliance

TufGuard AC complies with the requirements of the following standards:

ASTM D2370

ASTM C1202 : 2005

ASTM E 96

Product 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.

Typical Properties

Appearance	: White /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.

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

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 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.





TufBond

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

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.

Watchpoint

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

Packaging & Storage

TufGuard AC is supplied in 20 liter & 180 kg units and it has a shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

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.

For further information refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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