



TufGuard 120

Fibre Reinforced Bitumen, High Build Protective Coating System

Uses

- Used for applications where high build and tougher protection is required.
- Used as a curing agent for concrete foundations.
- Used as a protective agent against groundwater salts.
- Used as a metal protection for storage tanks, gates, pipe work, etc.

Typical Applications & Advantages

- High build foundation protection.
- Replacement for self-adhesive membrane in tanking applications.
- Economical roof waterproofing.
- Excellent flexibility for crack bridging.
- Reduced chloride penetration due to hard, impermeable surfaces.
- Resistant to naturally occurring chemicals in ground water systems.
- Suitable for new and old concrete.
- Single component, simple and easy to use, no skilled labour.

Standards Compliance

TufGuard 120 complies with the requirements of the following standard:
BS 3416:1991, Type 2.

Product Description

TufGuard 120 is high performance bitumen based thixotropic fibrous paste that cures to a hard and tack free finish. This can be applied by brush or trowel. This is designed to be used wherever high build, tougher protection is required.

Typical Properties

Specific gravity	: 1.12@25±2°C
Drying time	: <8 hours
Resistance to sea water	: Resistant
Resistance to tap water	: Resistant
Flashpoint	: 96°C
Appearance	: Black / Dark brown thixotropic fibrous paste.
Effect on potable water	: Nil

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: The concrete to be treated must be free from dust, loosely adhered material, plaster and cement droppings, grease oil and paints etc. Old concrete and steel must be structurally sound prior to application.

Priming: All surfaces to be protected with TufGuard 120 should be primed using TufGuard BBP. This will assist brushing of the heavier bodied product and will ensure a more readily achieved even coverage. Concrete substrates will be sealed and the penetrating effect of the primer will maximise adhesion.

Application: TufGuard 120 should be brush or trowel applied as evenly as possible to the primed concrete or steel. Drying times will be increased for areas that are over applied.

For roofing applications a reinforcing scrim should be used at up-stands and around pipe work. Two coats of TufGuard 120 are required. Once the TufGuard 120 has cured it should be covered either by using aluminum reflective paint or by using a sand/cement screed. Clean all equipment with suitable solvents immediately after use. Cured coatings can only be removed mechanically.

Coverage

Coverage rates vary according to the density, porosity and texture of the concrete to be treated. Typically a coverage rate of 1-2.5m² / litre/coat may be obtained, two coats recommended. On metal surfaces 2-4m² /litre/coat may be obtained.

Packaging & Storage

TufGuard 120 is supplied in 200 litre units and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.





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Health & Safety Precautions

TufGuard 120 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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