



TufGuard RBE

Rubberized Bitumen Emulsion,

Uses

TufGuard RBE is designed to provide a continuous barrier to the passage of water and water vapor and can be used to produce vapor barriers, damp proof courses, below ground concrete protection, concrete curing by water retention, and corrosion protection to metal surfaces.

Typical Applications & Advantages

TufGuard RBE is suitable for use for protection of all types of concrete and many adhesive applications.

- Tanking and waterproofing below ground structures providing an impervious membrane.
- As a highly effective vapor sealer and curing compound.
- For sandwich membranes in new floors.
- As an adhesive for wood blocks, mosaics insulation boards, cork tiles and as a key prior to plaster or rendering.

Standards Compliance

TufGuard RBE complies with the requirements of the following standards:
ASTM D 2369.
ASTM D 1650

Product Description

TufGuard RBE is a thixotropic cold applied rubberized bitumen emulsion. The product is a single component dark brown liquid, which dries to provide a flexible, resilient coating.

Specially formulated as a water proofer and damp proffer for foundations, floors, walls and roofs, it is also highly effective as an adhesive for bonding wood blocks and wood mosaics, insulation boards, cork tiles and expanded polystyrene.

Typical Properties

Appearance	: Dark brown liquid
Solids Content	: 50% minimum
Specific Gravity	: 1.03 @ 25°C
Application Temp Range:	+5°C to +60°C

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: Surfaces to which **TufGuard RBE** to be applied must be clean from dirt, dust, rust or any other material which may impair adhesion. Where moss or lichen is present, remove sheets. Cut and reseal blisters in asphalt or roofing. Remove chippings other than those that form the surface of mineralized felt. Old concrete and steel must be structurally sound prior to application.

Foundation protection: **TufGuard RBE** can be applied directly to green concrete immediately after the shutters have been removed. Two coats should be applied at right angles ensuring complete coverage of the area. Clean sharp sand can be used to increase D.F.T. and to provide definition between coats.

Sandwich Construction: Apply 2 coats **TufGuard RBE** onto the smooth, clean concrete sub-floor at the rate of 1m²/litre/coat. Whilst the second coat is still tacky, blind with clean sharp sand to give protection against foot traffic and provide a key for the subsequent screed. Ensure that the membrane is taken up the walls to marry with the damp proof course (DPC) and that the dried film is not punctured or damaged. Lay the screed to a minimum 50 mm thickness and allow to dry thoroughly before laying floor covering.

Surface Treatment to existing floors: Apply a priming coat @ 7.5m² per litre by diluting 1 part **TufGuard RBE** with 6 parts clean, cold water. Allow to dry thoroughly. Apply 2 coats **TufGuard RBE** @ 5m² /litre/coat, taking each coat up to joint with existing DPC. Ensure the dried film is not punctured or damaged before floor covering is laid.

Watch Point

Floor coverings containing high amounts of solvent or plasticizer should not be laid over **TufGuard RBE**.





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Coverage

Coverage rates vary according to the density, porosity, texture, ambient temperature, etc. of the concrete to be treated. Typically a coverage rate of 5m² / liter/ coat is possible.

Packaging & Storage

TufGuard RBE is supplied in 20 & 200 litre units and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufGuard RBE 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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