



TuffFloor Acrylic

Self Smoothing Cementitious Floor Leveling Compound

Uses

- Ideal for use in hot climates and may be laid at thicknesses of up to 6 mm.
- Used as an underlay for carpets and tiles.
- Can be used as a light duty floor.
- It provides a durable, self smoothing floor surface which will protect the substrate from mild chemical attack and water penetration.
- Ideal for leveling surfaces where some vibration is expected.

Typical Applications & Advantages

- Provides a durable, water-resistant surface prior to the installation of floor finishes such as vinyl and carpet tiles.
- Can be trowelled to a very thin screed thickness.
- Provides a non-dusting surface with inherent flexibility.
- Water and abrasion resistant.
- Excellent adhesion to various substrates.
- Suitable as a wearing surface on pedestrian applications.

Product Description

TuffFloor Acrylic is a two component system comprising of an acrylic polymer and cement based powder. The components are mixed on site to produce a self smoothing, floor leveling compound which spreads easily on to suitably prepared substrates up to a thickness of 6mm. As a self-smoothing/ leveling floor screed it provides a durable, water-resistant surface prior to the installation of floor finishes such as vinyl and carpet tiles.

Typical Properties

Density	: 1850 kg/m ³ @ 25°C
Coverage	: 2.4kg/ m ² @ 1.5mm

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 floor to be treated must be free from dust, loosely adhered material, and plaster and cement droppings, grease oil and paints etc. Damaged floor areas must be repaired using suitable repair mortars. **TuffFloor Acrylic**

cannot be used on weak and friable surfaces. Excess laitance to be removed by acid etching.

Porous surfaces such as concrete and sand/ cement screeds should be first dampened down with water. Ideally, substrates should be dampened down overnight to allow all surface absorption to be negated. The objective of sealing the surface is to prevent air being released into the **TuffFloor Acrylic**. Extremely porous substrates may require two sealer coats.

Mixing: Add the entire powder component to the liquid acrylic and stir to a creamy, lump free consistency. A slow speed mixer and paddle is recommended for mixing. To achieve the optimum consistency if required add minimum quantity of water.

Application: Pour a small quantity of paste on to the substrate whilst the substrate is still damp or the primer is still tacky. Trowel lightly to achieve the required thickness using a notched or plain trowel. Immediately after lying, roll the surface with a spiked roller; this releases air bubbles trapped in the substrate. Thickness up to 6mm may be applied in one time.

Finishing: **TuffFloor Acrylic** will self smooth after application. Trowel marks will disappear. No curing is required although protection should be given to prevent rapid drying out; cover the applied areas with polyethylene sheets. In hot, dry conditions cure with water & wet hessian for two days. Protection from pedestrian traffic is required at least for a minimum of 24 hours.

Watch Points

- Never re-constitute the mix after stiffening has taken place.
- Never apply **TuffFloor Acrylic** onto dry substrates.
- Never apply **TuffFloor Acrylic** in areas of high winds and dust.
- In hot climates keep **TuffFloor Acrylic** cool and work areas shaded.
- Not recommended to be used for more than 6mm thickness flooring.
- Clean all equipment immediately after use with clean water. Cured material will have to be mechanically removed.





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- Field trials should be conducted to determine the optimum coverage rates.

Coverage

Coverage depends on various factors like porosity, absorption, undulations, etc. Typically a coverage rate of 2.4 kg/m² may be possible for a 1.5mm flooring.

Packaging & Storage

TuffFloor Acrylic is supplied in 25 kg units and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TuffFloor Acrylic 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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