



TuffFloor SL 1000

Flow Applied 1 mm Thick Solvent Free Epoxy Based Floor Topping

Uses

TuffFloor SL 1000 is designed for use in wide range of industrial environments. It provides a dense, impervious, colored and chemically resistant floor surface which is hygienic and easy to clean. Typical applications include:

- Airport lounge and terminals etc
- Shopping malls and convention centers
- Hospitals
- Educational institutions.
- Clean rooms
- Car parks and garages
- Kitchens
- Plant rooms
- Light industrial plants

Typical Applications & Advantages

- Fast application – minimizes down time
- Chemically resistant – good resistant to a wide range of chemicals
- Durable – good abrasion resistance
- Hygienic – provides a dense, impervious, seamless floor surface which is easily cleaned
- Attractive – Can be made in a wide range of colors to enhance the working environment

Standards Compliance

TuffFloor SL 1000 complies with the requirements of the following standards:

- ASTM D 4138-88.
- ASTM C 267-01
- ASTM C 579 – 01 Method B

Product Description

TuffFloor SL 1000 consists of graded aggregates bound in a pigmented epoxy resin binder allowing to achieve greater thickness and supplied as three component system as Part A, Part B & Part C pre-weighed for on site mixing. When laid, it provides a smooth, light reflective surface. It can be made available in a range of standard colors on request.

Typical Properties

Density	: 1800kg/m ³
Compressive strength	
@ 3 days	: 78.5 N/mm ²
@ 7 days	: 82.8 N/mm ²
@ 28 days	: 87.5 N/mm ²
Dry Film Thickness	: 920microns
Chemical resistance	: Excellent

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 the concrete foundation surface is dimensionally stable and free of dirt, dust, oil, laitance, paint, curing compounds etc. Bolt holes and fixing pockets should be free from any dirt or debris. If possible a roughened surface is preferable to smooth surfaces. Metal surfaces must be free from rust, loose scaling and paint. Shuttering should be covered with polyethylene to ensure a clean release.

Priming: All surfaces should be primed with TufBond MP designed for maximum absorption and adhesion to concrete substrates.

Mixing: Do not commence mixing until all surface preparation, cleaning and shuttering is complete. **TuffFloor SL 1000** is supplied in pre-weighed units as Part A, Part B & Part C and do not split units during mixing. Mechanical mixing is necessary to produce a fully homogeneous mortar. The entire content of Part B should be emptied into Part A and the two components should be mixed thoroughly for 3 – 5 minutes. The mixed Part A & Part B should then be emptied into a suitable sized mixing drum or bucket. Then Part C should be added slowly while the product is being continuously mixed by suitable mechanical means, e.g. a heavy duty, slow speed drill (350 – 500 rpm) with a suitable mixing paddle. Larger quantities of **TuffFloor SL 1000** can be mixed in a heavy duty paddle mixer, however, no more than can be reasonably used with in the pot life of the product, should be prepared at any one time.





TufBond

Placing: Ensure that sufficient mixed material is available to complete the work and achieve a continuous filling operation. The material should be poured on to the prepared and primed substrate as soon as mixing is complete. It should be spread to the required thickness using a serrated trowel: with care taken not to over work the resin, spreading evenly and slowly.

Equipment Care: Clean all equipment promptly using GIC Solvent No.1. Cured material will have to be mechanically removed.

Packaging & Storage

TuffFloor SL 1000 is available in factory, pre-weighed units of 5 litres. It has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Coverage

Coverage depends on surface undulations, ambient conditions, application techniques, etc. Typically a coverage rate of 5m²/pack is possible.

Health & Safety Precautions

TuffFloor SL 1000 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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