



TuffFloor FC 400

High Build, Solvent Free Epoxy Resin Floor Coating

Uses

To provide a durable, easily cleaned, high build floor finish in areas where a hard wearing, high resistance to chemical attack is required. It is particularly suitable in areas where a thicker coating is required, such as:

- Production assembly areas
- Work shops
- Kitchens
- Dairies
- Showrooms
- Soft drink production and bottling plants

Typical Applications & Advantages

- Very hard wearing – durable, low maintenance costs.
- Fast application – minimizes down time
- Chemically resistant – good resistant to a wide range of industrial 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 up on request to enhance the working environment

Standards Compliance

TuffFloor FC 400 complies with the requirements of the following standards:
ASTM D 4138-88.
ASTM C 267-01

Product Description

TuffFloor FC 400 is a two component high solids, epoxy resin coating system supplied in pre weighed packs as Part A & Part B ready for onsite mixing and use. The cured film forms a hard, durable, coating with excellent adhesion to clean concrete, sand/cement and granolithic screeds, and certain metal surfaces. It cures to semi gloss impervious finish which is easily cleaned. When laid, it provides a smooth, light reflective surface. It can be made available in a range of standard colors up on request

Typical Properties

Specific gravity	: 1500kg/m ³
Dry Film thickness	: 460microns
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 FC 400** is supplied in pre-weighed units as Part A & Part B and do not split units during mixing. Add Part B to Part A in a suitable forced action mixer; alternatively use a slow speed drill and paddle. Continue mixing until a completely homogenous material is obtained.

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 FC 400 is available in factory, pre-weighed units of 5liters. 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 2.5m²/litre is possible.

Health & Safety Precautions

TuffFloor FC 400 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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