

CHEMfix 2100

Self Leveling Epoxy Flooring System

DESCRIPTION

CHEMfix 2100 is a self leveling epoxy flooring system 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 onsite mixing. When laid, it provides a smooth, light reflective surface. It can be made available in a range of standard colors on request.

Uses

CHEMfix 2100 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
- Manufacturing facilities

Benefits of Self Leveling Epoxy Flooring

Self leveling epoxy flooring is ideal for situations where the flooring will be required to have a high level of aesthetic appeal as well as abrasion resistance and durability. Epoxy flooring is extremely durable and hard wearing flooring that offers a number of benefits, which makes it ideal for everything from commercial and industrial applications to residential applications. The

following are some of the main benefits of choosing self leveling epoxy floors:

- High impact resistance
- Good resistance to a wide range of chemicals
- High gloss, appealing finish
- Provide hygienic floor
- Easy to clean smooth, seamless finish
- Attractive, bright color options
- Variable thicknesses for versatile application

Standards Compliance

CHEMfix 2100 complies with the requirements of the following standards:

ASTM D 4138-88.

ASTM C 267-01

ASTM C 579 – 01 Method B

TECHNICAL INFORMATION

Density : 1800kg/m³

Compressive strength

@ 3 days : 78.5 N/mm²

@ 7 days : 82.8 N/mm²

@ 28 days : 87.5 N/mm²

Dry Film Thickness : 1mm – 4mm





Technical Datasheet

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.

Mixing: Do not commence mixing until all surface preparation, cleaning and shuttering is complete. **CHEMfix 2100** 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 **CHEMfix 2100** can be mixed in a heavy duty paddle mixer, however, no more than can be reasonably used within the pot life of the product, should be prepared at any one time.

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 **CHEMfix SOLENT**. Cured material will have to be mechanically removed.

Packaging & Storage

CHEMfix 2100 is available in factory, pre-weighed units of 36.4 Kg/unit. 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 1m²/1.45kg in 1mm thickness.

Health & Safety Precautions

CHEMfix 2100 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

CHEMfix 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 **CHEMfix** has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

82, Great Eastern Street London EC2A 3JF. UK. Tel: 02-07-2477775 - 07-811155379 (Associated Company of I-Courier)
E-Mail: info@chemfix.org Web Site: www.chemfix.org ,
www.chemfixnigeria.com