

MYK INDUFLOOR ESF

Free Flow Epoxy Screed

Technical Data Sheet

Product Description:

MYK Indufloor ESF is a three component solvent free system pre-weighed for on-site mixing. The floor provides a hard wearing, Semi Smooth, impervious and easy to clean treated surface.

General:

MYK Indufloor ESF is a blend of epoxy resin systems and selected fillers. Each system contains 3 pre weighed materials of exact proportion for mixing and use on site. It is basically designed for quick underlay in wide range of industrial environments where lasting, low maintenance and tough floor are required.

Areas of Applications:

- Laboratories
- Assembly Units
- Pharmaceutical units
- Computer assembly units
- Automobile Industry

Advantages:

- Easy to apply
- Durable : Provides a hard and abrasion resistant floor topping
- Chemical resistant: good resistant to wide range of chemicals
- Hygienic: Hygienic seamless floor which is easy to clean
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Technical Data:

Pot Life :	Approx 20 Minutes @ 35° Celsius Approx 45 Minutes @ 20° Celsius
Compressive strength:	550 Kg/cm ² 7 days (BS 6319) @ 30° C
Flexural Strength:	200 Kgs/cm ² 7 days (BS 6319) @ 30° C
Foot Traffic:	24 hours @ 30 ° Celsius 48 Hours @20 ° Celsius
Vehicular traffic:	48 Hrs at 30 ° Celsius
Chemical Resistance:	7Days@30°Celsius

Full Cure:	7 days
Mixed Density:	approx. 1.8 Gm/cc
Shore D hardness:	70-80

Surface Preparation:

It is essential that MYK Indufloor ESF is applied on sound clean and dry surface in order that maximum bond strength is achieved between the substrate and flooring system. The laitance should be removed by grinding or grit blasting. The light laitance has to be removed by acid etching followed by thorough washing with clean water.

New Concrete:

The new concrete or cement substrate on which the system is likely to be applied should be 28 days old and have moisture content less than 4%. If moisture contents are more than 4% use MYK Schomburg special primers MYK Indufloor 1250. Consult the Technical Services cell of MYK Schomburg for product specification or guidance.

Priming:

The concrete surface after proper and thorough surface preparation has to be primed with MYK Indufloor EP. The primer is solvented base. It is designed for better adhesion with the substrate and the flooring system. The primer should be mixed in the given proportions supplied. The entire contents of the hardener should be poured into the base and should be mixed using a low speed drill machine with an attachment for about 3 minutes to get a homogeneous mixture. Once mixed the primer should be applied immediately on to the prepared concrete surface After the primer application, the surface has to be kept for self cure before proceeding to the next stage of operation after 24 hours the Self leveling should be carried out

Mixing:

The reweighed three component pack of MYK InduFloor ESF resin, hardener, & filler is to be mixed for 3 to 4 minutes with slow speed drilling machine fitted with a mixing paddle. The components should be mixed in a suitably sized mixing vessel.

Add the hardener content to the base until an even texture is obtained. Now add the filler content graded aggregate to the mix slowly and continue the mixing for about 3 to 4 minutes slowly until a completely homogeneous mix is obtained.

Application:

The material once mixed should be used within its specified pot life; the material is poured (Before pouring, stir well mixed mass manually to avoid any settlements at the bottom) on to the primed surface and spread to the required thickness with a notched steel trowel, care should be taken not to over work the resin, spread evenly and slowly, the floor should be firmly rolled with a spiked nylon roller to help release any entrapped air in the material and help level any slight roller marks. The rolling should be carried out using a "back and forth" technique along the same path. An over lap of 50% with adjacent paths is recommended.

Coverage:

MYK Indufloor ESF covers approx. 10.1 square meter @ 2mm thickness for a standard pack of 37 Kgs. Coverage's are subject to surface conditions.

Application Thickness Recommendation: Minimum 2 mm, maximum 3 mm

Supply: MYK Indufloor ESF is supplied in 37 kg composite pack.

Shelf Life: 12 Months if stored in cool dry place, unopened condition

Quality Policy:

The information given in the date sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

Precautions:

MYK Indufloor ESF should be applied with gloves and care should be taken to see that it does not fall on skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken.

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg.

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations.

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