

MYK INDUFLOOR EPU

Three Component Solvent free Epoxy- Polyurethane Elastic Coating

Technical Data Sheet

Product Description:

MYK Indufloor EPU is a three component solvent free, pigmented Elastometric Epoxy Polyurethane resin coating. It has a crack bridging capacity up to 0.3mm resistant to low concentration acids, alkalis and cleaning agents at application concentration resistant to weathering.

General:

MYK Indufloor EPU is a blend of Epoxy Polyurethane resin system and color paste. Each system contains three pre-weighed packs of exact proportions for mixing and use on site. It is basically designed for use in wide range of industrial environments where a lasting to low maintenance floor is required.

Area's Of Application:

In production area's and ware houses As an elastic coating on asphalt screeds For the decorative surfaces on terraces, balconies etc. by using INDU-far chips.

Technical Data:

Base:	Three component Epoxy Polyurethane resin
Mixed Density:	1.45 g/cm ³
Colors:	Available in wide range of colors
Pot Life:	25 Min at +23° C
Application Temperature:	Min +15° C, Max +30° C
Min cure temperature:	+ 15° C
Relative humidity:	< 75%, should not exceed 75% at the time of application
Traffic after:	approx 24 Hrs at +23° C
Over coat After:	Approx 16 Hrs up to 24 Hrs at + 23° C
Fully Cured:	after Approx 7 days at + 27° C
Shore D Hardness:	Approx. 35 after 7 Days at + 27° C
Tensile Adhesion:	> 1.5 N/mm ² (Concrete failure)

Surface Preparation:

It is essential that MYK Indufloor EPU is applied on sound clean and dry Primed 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.

Product Preparation:

Decant the material into a container and mix through thoroughly once again to disperse any settlement which might have taken place during the storage. Component A (Resin) Component B (Hardener) and Component C (Color Paste) are delivered in a predetermined mixing ratio. Component C the pigment should be added to the Component A (Resin) and should be stirred for 30 seconds till proper dispersion of pigment paste in Resin. Add the component B (hardener) to Component A; ensure that the hardener drains completely from the container. Mixing of Components are to be carried out with a suitable mixer at approx. 300rpm with a paddle to the drill. It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir for 4 to 5 minutes slowly until a completely homogeneous mix is obtained.

For vertical or sloping surfaces it is recommended that INDU-fiber filler is added @ 3 to 5% by weight depending on the slope.

Method of Application:

Priming: Apply MYK Indufloor EP on to the well prepared surface of the concrete @250 Gms per m² with standard paint brush. Care should be taken while applying the primer that continuous film is formed, leave the primer to dry completely (Minimum 24 hrs) depending on the temperature.

Application Of Finish Coat:

Trowel apply MYK Indufloor EPU @1.5 Kgs/m² (1 mm thickness) By using spiked roller de-aerate the finish coat which will avoid the formation of bubbles.

Note:

- Where there is moisture content more than 4% either in Positive side or negative side, it is recommended to use MYK Indufloor IB 1250 as primer instead of MYK Indufloor EP
- Waiting time between individual coatings should be between 16 to 24 Hrs at +27° C and 75% relative humidity
- High temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. The material consumption will also increase at lower temperatures.

Limitation:

Limited scratch resistant property as elastic in nature...

Consumption:

MYK Indufloor EPU covers an area of approx. 4 Sq mtr for a standard pack size of 6.25 kgs for 1 mm thickness of application.

Supply: MYK Indufloor EPU is supplied in 6.25kg pack

Shelf Life:

6 Months if stored in cool dry place under shaded area and in unopened or sealed condition.

Quality Policy:

The information given in the data 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 EPU 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.

MYK SCHOMBURG INDIA PVT LTD
(An Indo-German JV)
8-2-703/A, 3rd Floor, Leela Gopal Towers,
Road No. 12, Banjara Hills,
Hyderabad -500 034
Tel: +91 40 3040 0000
Email: mykschomburg.com
www.mykschomburg.com