

## MYK Indufloor PUC

### Polyurethane based Flooring

#### General:

**MYK Indufloor PUC** is a blend of epoxy & Polyurethane resin system. Each system contains three pre-weighed packs (Base, Hardener and colour paste) of exact proportions for mixing and use on site. Ideally suited for use in areas where flexibility and heavy duty floor toppings are needed such as car park areas, parking decks etc where a lasting to low maintenance floor is required.

#### Area's of Application:

MYK Indufloor PUC is used as Crack Bridge coating which is impervious to liquids, on concrete and cement based screeds

- On parking and access areas in car parks and garages
- On Industrial floor area's
- Bridge Parapets

#### Technical Data:

Base	:Epoxy - Polyurethane Resin
Density	:1.30 g/cm <sup>3</sup> at +27°C
Color	:Available in Colors, (unstable if exposed to UV and direct sunlight)
Pot Life	: 45 Min at +23° C 15 Min at +30° C
Application temp	:Minimum +15 °C, Maximum 30 °C +27 ° C
Traffic after	:Approx 24 Hrs at
Over coat After	:Approx 24 Hrs upto 36 Hrs at + 27° C
Full Cure	:After Approx 7 days at + 27° C
Elongation at break	:130% at +27°
Tear Strength	:5.3N/mm <sup>2</sup> at +27 ° C
Shore A Hardness	:approx. 60
Tensile Adhesion Strength	:B 1.5 N/mm <sup>2</sup> (Concrete)

#### Surface Preparation:

It is essential that **MYK Indufloor PUC** is applied on dry, firm, sound and have a good grip 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.

#### Product Preparation:

Base Component (Resin), colourpaste Component and Hardener Component are delivered in a predetermined mixing ratio. Add the colourpaste component to Base Component (Resin), ensure that the Colour paste drains completely from the container. Mixing of components is to be carried out with a suitable mixer at approx 300 rpm with a paddle to the drill. Mix it for 1 to 2 minutes till uniform colour & a homogeneous mass is obtained. Now add hardener component. It is important to also Stir from the sides and the bottom to ensure that the Hardener is evenly dispersed. Mix for 4 to 5 minutes slowly again until a completely homogeneous mix is obtained. **The minimum temperature during mixing should be +15 °C.** (Do not use the mixed material directly from the packaging. Decant the material into a clean container and mix thoroughly once again)

#### Method of Application:

##### Application of Primer:

Priming: Apply MYK Indufloor IB 1260 in two applications (see technical data sheet) on to the well prepared surface of the concrete. Consumption : approx. 300 – 600 gms/m<sup>2</sup>  
-Broad cast quartz sand of grain size 0.2 to 0.7 mm in to wet coat Consumption: approx. 1 kg/m<sup>2</sup>.  
-Once the primer has hardened thoroughly remove unbonded quartz sand.

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### Application of First Coat:

Trowel apply **MYK Indufloor PUC** @ 1.95 Kgs/m<sup>2</sup> for 1.5mm thick in one application. By using a spiked roller de-aerate the finish coat which will avoid the formation of bubbles. (Minimum curing for 16 - 24 hrs)

Consumption approx. 1.96 Kgs/m<sup>2</sup> for 1.5 mm thick in one application.

### Application of Wearing Coat:

1. Trowel apply the wearing coat **MYK Indufloor PUC**: Consumption approx. 1.5 Kgs/m<sup>2</sup> for 1.15mm thick in one application.

2. Broadcast Quartz sand, Grain size 0.7 – 1.2 mm into the wet coating. Consumption approx. 4 kg/m<sup>2</sup>

3. Once cured (Minimum curing for 24 hrs) thoroughly remove un bonded quarts sand before applying the finish coat.

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.

### Application of Finish Coat:

Roller / Brush apply the finish coat Indufloor IB 2320 in one application. Consumption: approx. 600 gms/m<sup>2</sup>.

### Note:

- Where the application area has 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 IB 1260
- Waiting time between individual coatings should be between 16 to 24 Hrs at +23° C and 75% relative humidity
- The working/ambient temperature has an effect on the pot life of the product.

### Coverage:

**As a first coat:** - **MYK Indufloor PUC** covers an area of 3.3/ m<sup>2</sup> of 1.5 thicknesses for a standard pack of 6.5 Kgs pack.

**As a wear coat:** - **MYK Indufloor PUC** covers an area of 4.25 Sq Mtrs of 1.15 thicknesses for a standard pack of 6.5 Kgs pack.

**Supply:** **MYK Indufloor PUC** is supplied in **6.5 kg** pack

**Shelf Life:** 6 Months if stored in cool dry place under shaded area and if in an opened and 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

### Precautions

MYK Indufloor PUC 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