

MYK SEAL EMS

Two Component Epoxy modified PU Sealant

Technical Data Sheet

Product Description:

It is basically a two component pouring grade semi rigid epoxy PU modified sealant for filling control and construction joints in industrial concrete floors. The mixed sealant is self leveling and can be poured directly into horizontal joints to form a tough resilient seal. It supports the joints edges and reduces spalling of edges caused by wheel traffic.

Uses:

For sealing internal floor joints subject to heavy industrial use in factories, particularly for sawn joints in long strip floorings and other large internal areas

Characteristics Advantages:

Load bearing for support of arises under heavy wheel loads self leveling to produce uniform and neat joints pouring grade to ensures ease of placing good resistance to Hydrocarbon fuels.

Technical Data:

Colour: Dark Grey
Movement accommodation factor : maximum up to 10%

Pot life: 30 minutes at 20 °C

15 minutes at 35 °C

Cure time (Initial) :

24 hrs. At 25 °C

12 hrs. at 35 °C

Full Cure: 4 days at 25 °C

3 days at 35 °C.

Application temperature: +10 °C to 35 °C

Mixed Density: Approx. 1.50 gm/cc

Shore A Hardness: 50 – 80

Joint Design:

The joint should be so designed that the movement due to concrete shrinkage and thermal change does not

exceed the 10% movement accommodation factor related to the joint width. The maximum concrete shrinkage will take place within the first 28 days of concrete due to which the sealant work should be carried after the time.

Joint width (mm) depth	Sealant
5-10 mm	5-10 mm
10-25 mm	10-20 mm
Above 25 mm	½ to ¾ width

Joint Preparation:

Joint surfaces must be clean, dry and free from laitance dust or any other foreign material. All dry residual dust from joint cutting operations should be completely removed using a rotary power brush, dry abrasive blasting or other approved means. Blow all joints clean using dry oil free compressed air. Debonding tape should be used in the base of all joints except where foam backing cord is used. Where a neat finish is required, masking tape should be applied down each side of the joint prior to the start of the sealant works, it should be removed immediately after the sealant works are complete

Surface Preparation:

It is essential that the MYK Seal EMS is applied on sound cleaned and dry primed surface in order that maximum bond strength is achieved between the substrate and flooring system. 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 content is more special primers for damp moist floors have to be applied. Consult the Technical Department of MYK Schomburg for product specification or guidance

Priming:

Cleaned Joint surface should be Prime with MYK Indufloor EP (Coverage: 80 running meter per kg @ 10mm joint depth.).Then allow primed surface to dry for minimum 8 hrs. And maximum for 1 day.

Mixing:

The components of MYK Seal EMS are supplied in the correct mixing ratio. Add the entire contents of the

hardener component into the base container and mix together thoroughly for three minutes using a slow speed drill (300 to 500 rpm) fitted with a mixing paddle. Ensure any settlement is thoroughly dispersed. The sides of the container should then be scraped down to ensure that any unmixed components do not remain. Mixing should then continue for a further 2 minutes

Application:

The mixed MYK Seal EMS can be poured directly from the mixing container. Pour into the joint to the required level. It may be necessary after few minutes to top up the level of sealant after it has flowed into all joint irregularities. Finally strip of the masking tape that has been used

Guide to Estimate sealant quantities:
Sealant requires in kgs

$$\frac{W \times D \times L \times \text{Mixed Density}}{1000}$$

W – Joint Width in Mtr
D – Sealant Depth in Mtr
L – Joint Length

Limitation: Not recommended for vertical joints.

Supply:

MYK Seal EMS: 5 kg Packing (base + hardener)
MYK Indufloor EP: 5 kg packing (base + hardener)

Cleaning:

Clean the tools after use

Storage:

Six months in original containers stored in cool dry conditions i.e. not exceeding 25°C. Storage above this temperature may reduce storage life.

Precautions:

MYK Seal EMS epoxy based product it is advised to use gloves and barrier cream when handling the product. If contact with resin occurs it must be cleaned before hardened use plenty of water and soap and not solvent

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 so 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

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 are made without warranty and guarantee.

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