FloArm ES

(Formerly known as MYK INDUFLOOR®- ES)

Three component Epoxy Mortar

MYK arment®

TECHNICAL DATA SHEET

Product Description

FloArm ES is basically a three component solvent free screed based system consisting of Base, hardener and filler in pre-weighed packs in exact proportions for mixing at site. When applied on the concrete surface it provides non-skid high strength flooring capable of withstanding extremely heavy wear and tear.

This heavy duty industrial mortar screed provides an extremely high strength floor topping with excellent mechanical properties and resistance to chemical spillages by providing non slippery surface.

Uses

Production line areas of engineering areas
- Work shop factory floor
- Machine shop ware houses
- Depots loading ramps
- Automobile plants
- Power Houses
- Bottling Plants
- Dairies

Features and Benefits

- It is basically a solvent free epoxy system
- Impact load: High resistance to Impact load
- Bonding: Excellent bond to concrete
- Durable: Excellent resistance from mechanical wear
- Non -slip: Good gripping surface to pedestrian/foot traffic and vehicular traffic
- Seamless: Tough, easy to clean

Application Methodology

Step no 1: Surface Preparation:

It is essential the floor on which epoxy screed is likely to be laid should be as per the civil engineering standards. The substrate must be structurally sound, clean, dry and free from laitance of loose material. The surface should be atleast 28 days old and moisture content must be less than 4%. Any unsound material must be chipped off before proceeding to lay the epoxy screed. 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 is more than 4% use MYK Arment special primer FloArm primer 1250.

Old Concrete:

An old concrete floor is strongly recommended for mechanical cleaning method because of the heavy contamination by oil, grease etc. for better adhesion with the existing surfaces all contaminations should be removed.On oily surface use MYK Arment special primer Flow Arm 1240.

Step no 2: Priming:

The concrete surface after proper and thorough surface preparation has to be primed with FloArm Primer 1260. The primer is basically a solvent free epoxy system. It is designed basically 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 added in to the base and should be mixed using a low speed drill machine for about 3 minutes to get a homogeneous mixture. Once mixed, the primer should be applied immediately on to the prepared concrete surface. @ 250 gms per Sq mtr. Mix the primer component A and B mechanically and apply with brush (on Moisture surface use FloArm Primer 1250, and Oily surface use FloArm Primer 1240).

FloArm ES

(Formerly known as MYK INDUFLOOR®- ES)

Three component Epoxy Mortar

MYK arment®

TECHNICAL DATA SHEET

Step no 3 : Product Mixing:

Mixing of FloArm ES:

It is very important that mixing is done correctly. A suitable forced action mixer like paddle is attached to a slow speed electric drill machine. It is highly recommended that the filler content is mixed manually before being added to the epoxy system. The pre-weighed packs of the three components resin, hardener, and silica flour has to be mixed thoroughly. The components should be mixed in asuitably sized mixing vessel. The hardener content is added to the base and stirred until an even color and texture isobtained. Now add the filler content graded aggregate tothe mix slowly and continue the mixing for about 3 to 4minutes slowly until a completely homogeneous mix is obtained.

Step no : 4 Product Application:

The material once mixed should be used within its specified pot life; spread the material uniformly on to the primed surface (wet or tacky primed surface condition within two hours from the application of FloArm Primer EP to get a even thickness with a steel trowel, care should be taken not to over work the resin, the material should be compacted and finished with a steel float for desired thickness. This may also be power trawled with plastic coated disc.

Coving:

Epoxy mortar can also be used for coving purpose up to height of 200mm

Sealing:

After initial hardness has been reached the slightly porous surface is sealed with two coats of epoxy solvent free floor coating. Before the application cold joints and trowel marks rubbed down. Generally, two coats are recommended as a sealer coat for properly compacted screed.

Technical Data

Base	Epoxy Resin
Color	Light brown
Mixed Density	Aprrox. 2.00 Gms/cc
Pot life	40 minutes @ 27^0 C
Foot traffic	24 Hours @ 30^0C
Cure	24 hours
Full cure	7 days
Compressive Strength 7 days @30^0C (IS 9162)	600 Kg/cm^2
Flexural Strength @ 7 Days (IS 9162)	Approx 200 Kgs/cm²
Tensile Strength @ 7Days (IS9162)	Approx 120 Kg/cm²
Pull out bond Strength (ASTM D 4541, type-1) (concrete surface)	>2.0 N/mm^2 (at 30ºC) @ 7 days (Concrete failure)

Coverage

4 Sq mtr @ 3mm thick for 24 Kg pack

FloArm ES

(Formerly known as MYK INDUFLOOR®- ES)

Three component Epoxy Mortar

TECHNICAL DATA SHEET

Packaging

24 kgs pack (Resin + Hardener + Filler)

Storage and Shelf Life

1 year if stored in cool dry place

Precautions

FloArm ES 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.

Product Categories Available

Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. the user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. the proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

MYK Arment Private Limited
(Formerly Known as MYK Schomburg India Pvt.Ltd)
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034
Tel: +91 40 6816 0001 | Email: myk@mykarment.com | www.mykarment.com