FloArm Primer 1290

(Formerly known as MYK INDUFLOOR®-IB1290 (I))

2 Part epoxy resin primer

TECHNICAL DATA SHEET

Product Description

FloArm Primer 1290 is a two-component solvent free, low viscous epoxy resin primer for horizontal applications. It may also be used for producing leveling and scratch coats for surface preparation prior to final flooring.

Uses

- It is recommended for highly porous and normal to strong absorbent substrates
- For priming concrete substrates, cement screeds and epoxy mortars
- Primer for the Arment floor resin systems.
- Intermediate layer underneath Arment floor resin systems

Features and Benefits

- Solvent Free
- Recommended for highly porous substrates
- Easy to mix and easy to apply
- Good penetration
- Excellent bond strength
- Can be applied with rollers, brushes and trowel
- Short waiting times

Application Methodology

Substrate requirement:

The substrate must be clean, dry & free of all contaminates having preferably the following properties

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Pull out strength = 1.5 N/mm²
- Residual moisture < 4.0% (carbide hygrometer)

Step No.1: Surface Preparation

All previous floor coating if any must be mechanically removed to the maximum extent possible. It is acceptable to relay on floor coating that has a firm bond (pull out strength of 1.5 N/mm2).

Concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repairs to the substrate, i.e., filling of blowholes/voids and surface leveling must be carried out using appropriate repair product. All dust, loose and friable material must be completely removed from the surface before application of the product, preferably by brush and/or vacuum. Ensure moisture content of the concrete surface is below 4 % - no rising moisture according to ASTM D 4263 (Polythene Sheet Method) and above 3 deg C dew point.

Step no.2: Mixing

Components A (resin) and B (hardener) are supplied in a predetermined mixing ratio. Pour component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is a homogenous mix, standard mixing time is 3 minutes. The minimum temperature during mixing should be +15° C.

Ensure that the mixing container is clean dry and free from any foreign particles.

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Step no 3: Method of Application / Consumption

• Apply FloArm Primer 1290 by a medium nap brush / fleece roller / or trowels as per the coverage mentioned in TDS
• If surface is porous, apply two coat of the primer. Ensure no 'dry spots' remain on the surface.

Coating System	Product	Consumption
Priming	FloArm Primer1290	0.20 - 0.4 kg/m²

Curing:

FloArm Primer 1290 is self-curing. Curing time depends up on the ambient temperature & humidity. Surface will initial cure in 24 hrs.

Over coating:

Overnight air curing of the primed surface for next coating over the primer FloArm Primer 1290 is recommended.

Step no.4: Levelling / Scratch Coat

Prime the floor with FloArm Primer 1290. Consumption: approx 300 – 600 g/m2. The mixed smoothing compound is skim applied in one coat. Consumption of finished smoothing Compound: approx. 1.6 kg/m^2 per mm.

FloArm Primer 1290 : 1.0 part by weight
Quartz sand: approx. 1.0 part by weight (Grade: e.g. 0.2 - 0.7 mm)

The quartz sand is mixed with the previously mixed and decanted resin and hardener components. Ensure that the liquid and solid components are evenly mixed together. Before application on vertical or steeply sloping surfaces it is recommended that with leveling / scratch coats INDU-Fiber is added. The addition rate lies between 4 - 5 % by weight dependent on the degree of slope.

Technical Data

Base	Two component epoxy resin
Mixed Colour	Yellowish translucent white
Mixing ratio, parts by weight	100:16
Mixed Density	1.4 ± 0.05 g/cm^3
Pot life, at +30°C at +20°C	Approx. 15 minutes Approx. 30 minutes
Application Temperature	Min. approx. +10° C Max. approx. +30° C
Foot traffic after, at +27°C (ASTM C722)	Min. 12 hours
Overcoat after, at +27°C (ASTM D 1640)	Min. 12 hours up to a max. 24 hours
Fully cured, after at +27°C (ASTM C 722)	Approx. 7 days
Min. cure temperature	+10° C
Bond strength @ 7 days at +27°C (ASTM D4541-95)	1.5 N/mm^2 (concrete failure)

Consumption

200 - 400 g/m^2 per coat (recommended consumption may vary depending upon the substrate conditions)

Packaging

FloArm Primer 1290 is available in 3.25 kg (B+H), (composite pack)

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Storage and Shelf Life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 6 months when stored as per above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging

Product Categories Available

Notes

Do not apply FloArm Primer 1290 Primer on substrates with rising moisture.

- Freshly applied FloArm Primer 1290 Primer should be protected from damp, condensation and water for at least 24 hours.
- Avoid puddles on the surface with the primer.
- Substrate Temperature - +12°C min. / +30°C max
- Ambient Temperature - +12°C min. / +30°C max

For external applications, apply on a falling temperature. If applied during rising temperatures “pin holing” may occur from rising air. In case of pinholes occurs, apply the primer once again. If in doubt, apply in a small area first to be sure.

Floor cracks and joints require pre-treatment. Treat as follows:
Static: prefill and level with MYK Arment floor system,
Dynamic: to be assessed and if necessary apply a stripe coat of elastomeric material or design as a movement joint
The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking. Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.

Legal Note

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