FloArm Primer 1270

(Formerly known as MYK INDUFLOOR -IB 1270)

Universal primer

TECHNICAL DATA SHEET

Uses

- As a pore blocking primer for cement-based Surfaces that will be coated with INDUFLOOR systems.
- For sealing cement-based areas e.g. in production areas, warehouses, on ramps.
- For producing levelling and scratch coats for surface preparation for coating measures.

Features and Benefits

- FloArm Primer 1270 is a two component epoxy resin with the following properties:
- Solvent free
- Transparent
- Low viscosity
- consolidating
- pore blocking
- with stands mechanical loading
- Watertight
- Resistant to dilute alkalis, acids, aqueous salt solutions, lubricants
- Tendency to yellowing.

Application Methodology

Surface preparation:

The area to be treated must be:

- Dry, firm, sound and have a good grip
- Free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil,rubber marks, paint residues and similar.

Use suitable means to prepare the substrate dependent on its condition such as e.g. sweeping, vacuuming, brushing, planing, scabbling, grit-blasting, shot-blasting, high pressure water jetting.

The following criteria are to be observed dependent
On the particular substrate:

Cementitious surfaces:

- Concrete quality : min. C20/25
- Screed quality : min. EN 13813 CT-C25-F4
- Age : min. 28 days
- Tensile adhesion strength:=1.5N/mm2
- (ASTM D4541)
- Residual moisture : < 4.0%(carbide hygrometer)
- Protected against moisture acting from the rear
- Render quality : PIIIa/PIIIb
- Age : min. 28 days
- Tensile adhesion strength:0.8N/mm2(ASTM D 4541)
- Protected against moisture acting from the rear

Product preparation:
Components A (resin) and B (hardener) are delivered in apredetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carriedout 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. Stiruntil the mix is homogenous (free from striations); mixing time3 minutes. The minimum temperature during mixing should be +15° C. Do not use mixed material directly from the packaging. Decant the material into a clean container andmix through thoroughly once again.

Production of Leveling / Scratch Coats:

FloArm Primer 1270: 1.0 part by weight
Quartz sand: approx. 1.0 part by weight
(Grade: e.g. 0.2 - 0.7 mm)
MYK /indufiber : approx. 2 - 3 % by weight

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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 levelling / scratch coats with indufiber is added. The addition rate lies between 4 - 5 % by weight dependent on the degree of slope.

Notes:

When using the product ensure that it is applied by flooding evenly over the prepared substrate. Irregularities lead to capillary active pores in the cured priming coat and promote the formation of bubbles especially osmosis bubbles. To ensure priming coat has blocked pores apply a second coat. Pore blocking can also be ensured through the application of a second layer of a dense smoothing mortar. This smoothing mortar is produced from the priming resin with the addition of quartz sand. When adding aggregates (e.g. quartz sand) ensure that the aggregate is dry and also has a temperature of approx. +15° C.

Method of Application / Consumption:

Priming:
Floods apply FloArm Primer 1270 to block pores in one coat.
Consumption: approx. 300 - 600 g/m2 per coat.

Note :-

- Overcoat the primed area within 12 hours and up to a maximum of 24 hours.
- Primer that has not been broadcast with sand may only be walked on with clean overshoes.
- When a thin following coat is applied with a smooth surface at a thickness <1.0 mm then broadcasting with sand can be omitted.
- When FloArm Primer 1270 has quartz sand broadcast into it, priming must be carried out in two coats. The second coat is to be applied after a waiting time of
- 12 hours minimum but within a further 12 hours. Broadcast the second layer of primer with quartz sand (grade: e.g. 0.2 - 0.7 mm).
- Consumption: approx. 0.8 - 1.0 kg/m2.

Note:

Do not broadcast to excess.

Once hardened carefully remove all non-bound quartz sand before roller applied or flowing coatings, scratch coatings or screeds are applied

Leveling / Scratch Coat:

Firstly prime the floor with FloArm primer 1270 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/m2/mm.

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Technical Data

Basis	Two component epoxy resin
Colour	transparent
Viscosity	Approx. 130 ± 20 mPA·sat +25° C
Mixing ratio	100:27 parts by weight
Density	Approx. 1,08 ± 0,02 g/cm3
Pot life	Approx. 30 minutesat +23° C
Application temperature	Min. approx. +10° C,max. approx. +30° C
Foot traffic after	Min. approx. 12 hoursat +23° C
Overcoat after	Approx. 12 hours up to amax. 24 hours at +23° C
Fully cured	After approx. 7 days at+23° C
Min. cure temperature	+10° C

Consumption

300-600 g/m2 per coat.

Packaging

FloArm Primer 1270 is available in 10 kg and 30 kg containers. Components A and B are delivered in a predetermined mixing ratio.

Storage and Shelf Life

12 months when stored dry and cool above +10° C in the original unopened packaging.

Annotation

The application temperature may not fall below +10°C nor exceed +40° C

- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.
- To increase pot life/working time at higher temperature store material in a cool environment above +10° and only expose to warm temperature shortly before mixing.
- The bond between the individual coats to one another can be heavily impeded through the influence of dampness or contamination between the applied coats.
- When longer waiting times occur between application of the coats or where surfaces already treated with liquid resinmust be re-coated after a long time, the surface must be well cleaned and abraded, after which a completely newpore free sealing should be undertaken. It is not sufficient to simply overcoat.
- Protect surface protective systems from moisture (e.g. rain, melt water) for approx. 4 - 6 hours after application. Dampness produces a white discolouration and/or stickiness on the surface and can impede the cure. Discoloured and/or sticky surfaces should be taken off e.g.by abrading and renewed.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of MYK Arment
- Cured product residues are to be disposed of under waste disposal classification 57123 “Epoxy resin”.

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Health and Safety

Once cured, FloArm Primer 1270 is considered harm-less. The hardener (B) component is corrosive .Current relevant legislation should be followed at alltimes when working withepoxies, e.g. hazmat transportation, Etc. For more information please consult www.plasticseurope.org.

Product Categories Available

Legal Note

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