



IPAPOX IH/L

Coating Resin Used to Make Filled Synthetic-Resin Thick-Layer Coats and Screeds with extra long potlife for hot countries

Product Specification

IPAPOX IH/L is a solvent-free, fillerless, low-viscosity 2-component epoxy resin with extra long potlife for hot countries.

Areas of Application:

For countries with temperatures regularly over 30°C Used to make hard-wearing synthetic-resin thick-layer coatings and screeds resistant against chemicals for warehouses, exhibition or production facilities. Used to obtain wear-resistant sealing coats in underground and above-ground parking facilities, on balconies, terraces, bridge curbs, etc.

Action (Properties):

Once the high-grade resin has cured, IPAPOX IH/L will form a tough, non-toxic, extremely strong floor coating that will meet the most stringent requirements. The special formulation of IPAPOX IH/L makes it superfluous to seal any surface so treated. Thanks to its low viscosity, up to five parts of siliceous sand can be added to every part of resin. The possibility of using colored sands will make it possible to produce a wide diversity of optically pleasant floor coatings.

Technical Data:

Material:	solvent-free, low-viscosity 2-component epoxy resin.
Appearance:	yellowish, transparent
Viscosity:	approx. 600 mPas
Density (at +20°C):	component I: 1,15 kg/ltr.
	component II: 1,02 kg/ltr.
	mixture: 1,10 kg/ltr.
Mixing Ratio:	comp. I: comp. II
parts p. weight	3:1
parts p. vol.	2,4:1
Processing Time (pot life)	approx. 150minutes at +20° C, assuming 1 kg of resin,
	fillerless
Processing Temperature	not below +8° C
Curing	protect against rain for approx. 4 hours; ready to be
	walked on after approx. 24 hours, final strength after 7 days.
Compressive strength	70 N/mm ² (Strength of pure resin)
Flexural strength	70 N/mm ² (Strength of pure resin)
Storage	keep dry, protect against direct insolation
Shelf Life	1 year within unopened container
Supplied In	tinplate containers holding 15, 30kgs or 600kg in steel
	barrel

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Processing Notes:

Any substrate to be treated must be solid, clean, and free of dust, oil and/or grease; completely remove any paint residues.

Any surfaces to be coated should be smooth and level. Use IPAPOX IH/L filled with silicate sand to smooth out any surface roughness any cracks, rough patches or holes.

Apply a priming coat of solvent-free IPANOL IH/E or IPAPOX IH/L (consumption: approx. 300 grams per square meter) to any substrate so prepared.

Use a low rpm stirrer to mix, thoroughly and homogeneously, IPAPOX IH/L components I and II.

Next, add the quantity of filler required and stir again until there is a homogeneous mixture.

Pour the high-yield material on to the priming coat while it is still tacky and distribute it using a float or a toothed trowel. Finally, use a spiked roller to ensure good venting. If anti-skid coatings are required, broadcast corundum or siliceous aggregate on to the first layer.

Once this layer has hardened, remove any excess material using a broom. To improve the bonding of this, apply one thin layer as a sealing coat with pure IPAPOX IH/L. Clean tools and equipment using IPAPOX cleaning agent.

Epoxy Flooring Mortars – Mix Design for interior
With premixed fire dried silicate sand, you can produce well applicable epoxy mortars for

repairing new building of industrial floors: Mixing ratio:

1 Weight part (Wp) of IPAPOX IH/L binder with 10 Weight parts (Wp) of silica sand.

This is a proven mix design for floors with a thickness of 15-20mm:

25 Weight part (Wp) Silica sand 0,1 – 0,5 mm

25 Weight part (Wp) Silica sand 0,4 – 0,7 mm

25 Weight part (Wp) Silica sand 0,7 – 1,2 mm

25 Weight part (Wp) Silica sand 2 – 4 mm.

According to the kind of silica sand and the working temperature, aggregates, binder and mixing ratio must be

worked out in preliminary testing.

Resistance Against Chemicals:

Acetic acid, up to 5 %	+
Ammonia, up to 10%	+
Braking fluid	0
Caustic potash sol., up to 10 %	+
Chlorine bleach, 1/1	+
Diesel fuel	+
Ethanol	0
Gasoline	+
Heating fuel	+
Hydraulic fluid	0
Hydrochloric acid, up to 10 %	+
-Isopropanol	0
-Lactic acid, up to 5%	0
-salt solution	+

Legend

+ = resistant

0 = short-term resistant-

- = not resistant

Safety Recommendations:

IPAPOX IH/L's II component is corrosive!

Observe all protective measures prescribed by any competent social insurance association against occupational hazards in the chemical industry. Use gloves and protective goggles. Avoid any contact between the product and your skin. For improved protection, apply cream to your hands. Use a good deal of water to wash away any splashes of material reaching your skin or an eye; afterwards, immediately consult a physician.

Version 11/18

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