

Izolit EPOXY POD

Industrial monolithic epoxy floor system

Izolit EPOXY POD is a monolithic industrial floor system based on an epoxy resin. It can be applied with a trowel or self-smoothing. It meets HACCP requirements. Available in a wide range of colours.

PURPOSE

It is used as a final wearing layer of concrete floors and cement screeds. It can be applied in industrial facilities, production halls, warehouses, sale centers, food industry facilities, garages, etc.

Available in several variants:

- Izolit MONOLIT EPOXY POD, a 3-4 mm thick, coloured, self-smoothing, three-component floor system
- Izolit EPOXY POD THINLAYER, a 1.5-2.5 mm thin, coloured, self-smoothing, two-component floor system with an adequate filler already integrated in the product.
- Izolit EPOXY POD CLEAR, a 1-2 mm thin, self-smoothing, two-component, transparent floor system
- Izolit EPOXY POD, Spahtl tip, a 4-10 mm thick, three-component, troweled-applied floor system.

FEATURES

- Applied together with Izolit EPOXY PRAJMER or another epoxy-based primer. The selection depends on the condition of surface.
- Hygienic floor, compliant to HACCP requirements
- Self-smoothing floor systems give high gloss and smooth appearance
- The finished floor system is ready for foot traffic after 48 hours, at surface and ambient temperature 15-25°C

Mechanical properties

Compressive strength	> 80 MPa
Flexural strength	> 30 MPa
Adhesion to concrete	> 3.3 MPa (failure in concrete)

- The applied material is ready for full load at least 7 days after the application
- Resistant to:
 - Acids and bases (except some highly concentrated inorganic acids)
 - Foodstuffs
 - Table salt solution
 - Oil and oil derivatives
 - Temperature changes and atmospheric influences

EFFECT

The chemical reaction that starts after mixing the components together strengthens the material.

USE

SURFACE The surface needs to be clean, degreased, solid, free from cement slurry and loose swollen areas on concrete, completely dry (moisture content in concrete shall not be higher than 4%), water-proofed and primed with Izolit EPOXY PRAJMER.

Concrete shall be of a good grade, class MB30 or stronger.

Before applying the material, the surface shall be ground to achieve the best possible bond between the concrete surface and the epoxy primer.

PREPARATION Stir component A well. Add component B to component A, mix them for about 3 minutes, at a low rate (300-400 RPM), and then add component C (in case of three-component floor systems), stir for another 5 minutes at a low rate, until the mix becomes completely homogeneous.

INSTALLATION Izolit EPOXY POD systems are applied on properly prepared surfaces. Before applying a floor system, the surface is prepared with Izolit EPOXY PRAJMER, and any damaged spots and cracks are sealed with epoxy putty. It is necessary to wait 4-12 hours for a primer to dry enough to withstand foot traffic but to remain sticky.

The prepared mix for self-smoothing floor systems is poured over the prepared surface and spread with a rake/toothed trowel. After spreading the mix to desired thickness, a toothed roller is used to force out any air entrapped in the placed material. The roller should be passed evenly, without notching or hollowing the surface. The prepared mix should be used up as fast as possible, i.e. the prepared mix should be poured and spread without waiting in about 15 minutes.

Izolit EPOXY POD, Spahtl tip, is applied as any other trowel-applied system. Rakes, trowels, straightedges or rolling pins are used to apply and spread the mix to desired thickness.

The trowel-applied mix has a somewhat longer working time - 45-90 minutes.

The surface and ambient temperature should be 12-25°C.

Tools should be cleaned immediately after use with a nitro-based thinner or acetone.

CONSUMPTION

- Izolit MONOLIT EPOXY POD	4.8-6.4 kg/m ²	for 3-4 mm thick layer
- Izolit EPOXY POD THINLAYER	1.8-2.6 kg/m ²	for 1.5-2.5 mm thick layer
- Izolit EPOXY POD CLEAR	1-2 kg/m ²	for 1-2 mm thick layer
- Izolit EPOXY POD Spahtl tip	6.8-17 kg/m ²	for 4-10 mm thick layer

SHELF LIFE

Six months in original and hermetically sealed packaging.



DRAMIN



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STORAGE

In a dry and dark room, in original non-damaged packaging, at 15-25°C.

PACKAGING

PE canisters (components A and B) and kraft paper bags (component C).

SAFETY AT WORK

Use protective gloves, mask and goggles. Ventilate the room, particularly during application of primer. In case of contact with skin, remove the clothes and wash thoroughly with soap and lukewarm water. Avoid contact with eyes.

NOTES

- Concrete or mortar, as the base material, shall be class MB30 or stronger.
- Prepare the surface thoroughly (grinding and vacuuming).
- Use adequate epoxy primer.
- Observe occupational safety measures.
- Required surface and ambient temperature 12-25°C.
- Maximum moisture content of the base material is 4%.
- Due to continuous products development and monitoring global trends in the field of materials in modern buildings, DRAMIN also reserves the right to change data sheet, so current, valid data sheet should be used.
- Our warranty obligation is limited to the quality of delivered materials.
- For any further information please contact us.

INSTALLATION PICTURES



Dramin d.o.o. shall bear no liability for any problems, consequences or damage caused by applying what is shown in the photographs or for any printing errors in the document.

We hold the water ...



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