

HIGHLY FILLED EPOXY FLOOR SYSTEMS

Izolit EPOXY BETON & Izolit EPOXY MALTER



Three-component products based on epoxy resin as binder. They are applied in all industries where extremely high physico-chemical and mechanical resistance is needed. They are resistant to oil and oil derivatives, sea water, foodstuffs, etc. They should not be exposed to concentrated inorganic acids and bases. Finished floor systems are safe for health.

PURPOSE

It is used to place concrete and/or plaster based on an epoxy resin, where extremely high mechanical and physico-chemical resistance is needed. It can be applied in industrial facilities, production halls, warehouses, runways/taxiways, etc.

FEATURES

- Three-component products
 - Ratio of components Izolit EPOXY BETON A:B:C=1:0.110:7.000
 - Izolit EPOXY MALTER A:B:C=1:0.105:4.762
- Floor thickness, mm
 - Izolit EPOXY BETON approx. 8-80
 - Izolit EPOXY MALTER approx. 4-40
- Applied together with Izolit EPOXY PRAIMER or another epoxy-based primer. The selection depends on the condition of surface.
- Safe for health
 - Gelling time, h approx. 2-7
- The finished floor system is ready for foot traffic after 24 hours, at surface and ambient temperature 15-25°C
 - Mechanical load, MPa > 80
- The applied material is ready for full load at least 7 days after the application
- Non-resistant to negative water pressure and sensitive to moisture
- Resistant to:
 - Acids and bases (except highly concentrated ones)
 - 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, without a putty coat, degreased, solid, free from cement slurry and loose swollen areas on concrete, completely dry (moisture content in concrete shall not be higher than 4%), and primed with Izolit EPOXY PRAIMER. Concrete shall be of good quality and high grade.

If the surface is too crumbly, or too smooth, it needs to be ground. In the first case, loose parts should be removed, and in the latter case, concrete pores should be opened, so that a primer can penetrate into the surface.

PREPARATION The system is applied to a prepared surface. A primer, Izolit EPOXY PRIMER, is applied before the floor system. It is necessary to wait 3-6 hours for the primer to dry enough to withstand foot traffic but to remain sticky.

INSTALLATION The system is prepared by mixing together components A, B and C in appropriate ratio, as indicated on packaging, until complete homogeneity.

Add component B to component A. Stir the mix with a mixing drill at a low rate for about 3 minutes, add component C and keep stirring for about 5 minutes until the mix is completely homogeneous.

The mix is poured and spread with floating trowels to desired thickness. The spread material can be worked with floating trowels, straightedges, rolling pins and broad knives.

The workability time is about 30-90 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

About 2 kg/m² Izolit EPOXY BETON - 1 mm thickness

About 2 kg/m² Izolit EPOXY MALTER - 1 mm thickness

SHELF LIFE

Six months in original and hermetically sealed packaging.

STORAGE

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

PACKAGING

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



DRAMIN

HIGHLY FILLED EPOXY FLOOR SYSTEMS

Izolit EPOXY BETON & Izolit EPOXY MALTER

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 stained clothes, wash the skin thoroughly with soap and lukewarm water, and seek medical advice. Avoid contact with eyes. In case of contact with eyes, rinse the eyes thoroughly with lukewarm water and seek medical advice.

NOTES

- Concrete or mortar, as the base material, shall be of the highest possible grade.
- Prepare the surface thoroughly.
- Maximum moisture content of the base material is 4%.
- Stir component A well before mixing it.
- Use epoxy-based primer.
- Observe occupational safety measures.
- Desired surface and ambient temperature 12-25°C.
- For aesthetic reasons, the system can be covered with an epoxy-based coat.
- 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 ...



DRAMIN

S G M

7 Ugrinovački put
11080 Zemun
Serbia

+381 11 316 95 34
+381 11 316 95 36
+381 63 372 646

www.dramin.eu

Distributor:



© DRAMIN D.O.O. 2012