

Concrete hardening and dustproofing impregnation

Description

Water-based polymer emulsion with high penetration ability. When applied on concrete floors or cement screeds, it seals and dustproofs their surface.

ISOMAT BI-100 can also be used as a surface hardener for crumbled floorings and surfaces in order to increase their strength and wear resistance.

Moreover eliminates the permeability of floorings and makes the cleaning easier.

Fields of application

ISOMAT BI-100 is used on concrete floors or cement screeds in places such as basements, warehouses, light traffic parking lots etc. Suitable for indoor and outdoor use.

Technical data

Form:	emulsion
Color:	white (transparent after drying)
Density:	1,08 kg/lit
pH:	11,5
Walkability:	after 24 hours (+20°C)
Full hardening:	after 3-4 days (+20°C)

Cleaning of tools:

Tools are cleaned with water immediately after use.

Directions for use

1. Substrate

The surface must be dry and free of dust, grease, dirt etc.

For better impregnation of ISOMAT BI-100, the surface should be prepared by grinding and cleaning of dust.

2. Application

ISOMAT BI-100 is thoroughly stirred and uniformly applied on the substrate by spray, brush or roller until full impregnation.

For very absorptive surfaces it is usually required to apply a second layer after the first one has dried.

Consumption

100-200 g/m², depending on the absorptivity of the substrate.

Packaging

ISOMAT BI-100 is available in plastic containers of 1 kg, 5 kg and 20 kg.

Shelf-life - Storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

ISOMAT BI-100



Remarks

- During application the ambient temperature and the temperature of substrate should be between +5⁰C and +30⁰C.
- The successive layer can be placed when ISOMAT BI-100 is completely dry.
- ISOMAT BI-100 is almost transparent after drying. Usually it should be tried to the surface before the application, because it may alter the appearance of the surface.
- ISOMAT BI-100 is not suitable for permanent immersion to water. The uneven surfaces should be properly treated with a suitable repairing material. Consult the Technical Support Department.

Volatile organic compounds (VOCs)

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory h, type WB is 30g/l (2010) for the ready to use product.

The ready to use product ISOMAT BI-100 contains max <30 g/l VOC.

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