

Gisopakt®

Smooth Concrete Surface Primer

Material Description

Gisopakt®, is a polymer modified resin based primer used in smooth concrete surfaces, walls, and ceilings for improving adherence, working time, and workability of cement and especially gypsum based plasters.

Complies with EN 1504-2

Areas of Application

- Indoor and outdoor areas for vertical surfaces and ceilings
- To increase gypsum, lime, and cement based plaster mortars adherence to gross concrete surfaces
- For ceiling plasters as primer

Characteristics and Benefits

- Easy to apply.
- Increases adherence of cement and especially gypsum based plasters to gross concrete.
- Prevents rapid water loss of cement and especially gypsum based plasters.
- Increases working time and workability of cement and especially gypsum based plasters.
- Does not contain solvents.

Processing Method

(A) Preparation of Substrate

Application surface has to be strong, dry, bearing, dustless, clean, and also in balance. Surface must be cleaned off all kinds of oil, grease, rust, and paraffin traces that can weaken adherence and no loose particles must be present.

(B) Mixing

Gisopakt® is delivered with its working bucket. After adding 4 to 6 liters of water to 12 kg bucket, it is mixed with a 400-600 RPM mixer for 3-5 minutes until a homogenous and uniform mixture is obtained. (When working with **Gisopakt®**, the material has to be mixed from time to time)


Mixing Ratio

Gisopakt®	12 kg
Mixture Water	4,00 – 6,00 liter
Density of Mixture	~1,30 kg/liter

(C) Processing

Mixed **Gisopakt®** is applied on the surface prepared beforehand by roll with texture. **Gisopakt®** takes the first cure rapidly on the applied surface. Surface absorption and strength must be tested before the application. Cement and especially gypsum based

Technical Properties

Material Base	Modified Polymer Resin Based Dispersion	
Color	Green	
Consistency	Brush Consistency	LX
Density	~1,50 kg/liter	
Application Thickness	Min. 0,20 mm Max. 0,40 mm	
Application Groud Temperature	+5°C +30°C	
Service Temperature	-20°C +80°C	
Drying Time	60 to 120 minutes	
Full Drying Time	~24 hours	

The above values are based on +23°C and 50% relative humidity; higher temperatures shorten the time, lower temperatures lengthen it.

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plasters are applied only after 24 hours after **Gisopakt®** dries.

Consumption

Approximately 150-250 g/m² depending on surface absorption and roughness.

(Diluted mixture coverage: 210-375 g/m². In the application, single layer film thickness has to be around 160 to 280 microns.)

Point to Consider

- If environmental temperature is below +5°C or over +30°C in **Gisopakt®** application, then suitable temperatures must be waited for.
- **Gisopakt®** is not suitable for outer surfaces. (Not suitable for rough plaster applications)
- Prevent the primer from getting dirty during and after the application.
- **Gisopakt®** is not suitable for highly humid environments. (for example: hamams, saunas, swimming pools, and bathrooms, etc.)
- When working with **Gisopakt®**, mix the product from time to time.

Cleaning of Tools

All the tools and equipments must be cleaned by water after the application.

Packaging

12 kg plastic bucket

Shelf Life

12 months after the production date under appropriate storing conditions. **Gisopakt®** freezes below 0°C. Opened packages have to be stored by tightly sealing the bag/cover and must be used in one week.

Storage

Must be stored in unopened original packing, and in cool and dry environment protected from freezing. In short-term storing, maximum 3 palettes can be

stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

Health and Safety

It is dangerous to approach the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

Contact

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Gisopakt®	
TS EN 1504-2 1.2, 5.2 Emprenye Uygulaması 1.2, 5.2 Impregnation application (I)	
Beton için yüzey koruma sistemleri Surface protection systems for concrete	
Emprenye uygulaması Impregnation application	
Kapiler Su Emme ve Su Geçirgenliği (Capillary Absorption and Permeability to water)	$w < 0,1 \text{ kg / m}^2 \cdot \text{vh}$
İşleme derinliği (Depth of Penetration)	NPD
Çekip koparma deneyi yoluyla yapışma dayanımı (Adhesion strength by pull-off test)	Çatlak kapatma veya esnek sistemler trafik yükü olmadan $\geq 0,8 \text{ N / mm}^2$ (Crack-bridging or/ flexible systems without traffic load: $> 0,8 \text{ N / mm}^2$
Yangına karşı tepki (Reaction to fire)	B-s1,d0
Tehlikeli maddeler (Dangerous substances)	Madde 5.3 'e uygun (Comply with clause 5.3)