

Gisopakt® (MasterCrete® TIL PRI 302)

Fair-Faced Concrete Primer

Material Description

Gisopakt® is a polymer-modified, resin-based primer used on smooth concrete surfaces, walls, and ceilings to improve adhesion, open time, and workability of cement and especially gypsum-based plasters.

Complies with the EN 1504-2

Areas of Application

- Indoor areas for vertical surfaces and ceilings,
- To increase the adhesion of gypsum, lime, and cement-based plaster mortars to exposed concrete surfaces,
- As a primer for ceiling plasters,
- To further improve the adhesion, open time, and workability of **MasterCast® 301** modified plasters.

Characteristics and Benefits

- Easy to apply.
- Increases the adhesion of cement and especially gypsum-based plasters to exposed concrete surfaces.
- Prevents rapid water loss of cement and especially gypsum-based plasters.
- Increases the open time and workability of cement and especially gypsum-based plasters.
- Does not contain solvents.

Processing Method

(A) Preparation of Substrate

The application surface must be solid, dry, load-bearing, dust-free, clean, and level. The surface must be thoroughly cleaned of any oil, grease, rust, or paraffin residues that may weaken adhesion, and it must be free of loose particles.

(B) Mixing

Gisopakt® is supplied in its application bucket. Add 4–6 liters of water into the 12 kg bucket and mix with a 400–600 RPM mixer for 3–5 minutes until a homogeneous, lump-free mixture is obtained. (During application, **Gisopakt®** should be remixed occasionally.)

Mixing Ratio

Gisopakt®	12 kg
Mixture Water	4,00 – 6,00 L
Density of Mixture	~ 1.30 kg/L

(C) Processing

Mixed **Gisopakt®** is applied to the prepared surface using a textured roller. **Gisopakt®** rapidly takes its initial set on the applied surface. Before application, surface absorption and

Technical Properties		
Structure of the Material	Modified polymer resin-based dispersion	
Color	Green	
Consistency	Brush Consistency	LX
Density	~ 1.50 kg/L	
Application Thickness	Min. 0.20 mm - Max. 0.40 mm	
Application Substrate Temperature	+ 5°C to + 30°C	
Service Temperature	-20°C to + 80°C	
Drying Time	60 to 120 minutes	
Full Drying Time	~ 24 hours	

The above values are given at +23°C and 50% relative humidity. Higher temperatures shorten the times, while lower temperatures extend them.

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strength must be tested. Once **Gisopakt®** has dried, cement and especially gypsum-based plasters can be applied after 24 hours.

Consumption

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

(Diluted mixture consumption: 210-375 g/m². In a single layer, wet film thickness should be between 160 and 280 microns.)

Packaging

12 kg plastic bucket

Points to Consider

- If the ambient or substrate temperature is below +5°C or above +30°C, wait until suitable conditions are achieved.
- Not suitable for outdoor applications. Also not suitable for coarse plaster applications.
- Prevent the surface from getting dirty during and after the application.
- **Gisopakt®** is not suitable for continuously humid environments (e.g., Turkish baths, saunas, swimming pools, and bathrooms).
- Stir the product occasionally while working with **Gisopakt®**.

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 pallets 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 pallets 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.

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DOP NO: 1401001	
Gisopakt [®] (MasterCrete [®] TIL PRI 302)	
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 kg /m ² .v/h
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 ≥ 0,8 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)

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