

MasterTile® P 302

Smooth concrete surface primer.

DESCRIPTION OF PRODUCT

MasterTile® P 302 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 the EN 1504-2

FIELDS 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

FEATURES 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.


APPLICATION PROCEDURE

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.

TECHNICAL DATA

Material Base	Modified Polymer Resin Based Dispersion	
Color	Green	
Consistency	Brush consistency	
Density	~1,50 kg/liter	LX
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 Driying Time	~24 hours	



Obtained in +23°C, 50% relative humidity conditions. Higher temperatures reduce, lower temperatures increase the times Given.

Mixing

MasterTile® P 302 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 **MasterTile® P 302**, the material has to be mixed from time to time)

Mixing Ratio

MasterTile® P 302	12 kg
Mixture Water	4,00 – 6,00 liter
Density of Mixture	~1,30 kg/liter

Application

Mixed **MasterTile® P 302** is applied on the surface prepared beforehand by roll with texture. **MasterTile® P 302** takes the first cure rapidly on the applied surface. Surface absorption and strength must be tested before the application. Cement and especially gypsum based plasters are applied only after 24 hours after **MasterTile® P 302** dries.

COVERAGE

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)

WATCH POINTS

- If environmental temperature is below +5°C or over +30°C in **MasterTile® P 302** application, then suitable temperatures must be waited for.
- **MasterTile® P 302** is not suitable for outer surfaces. (Not suitable for rough plaster applications)
- Prevent the primer from getting dirty during and after the application.
- **MasterTile® P 302** is not suitable for highly humid environments. (for example: hamams, saunas, swimming pools, and bathrooms, etc.)

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- When working with **MasterTile® P 302**, 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

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.

SHELF LIFE

12 months after the production date under appropriate storing conditions. **MasterTile® P 302** freezes below 0°C. Opened packages have to be stored by tightly sealing the cover and must be used in one week.

HEALTH AND SAFETY PRECAUTIONS

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. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** 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 INFORMATION

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MasterTile® P 302 Technical Data Sheet -Revision Date: 12/2020

	
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20 DOP NO: 04.1504.2.026 EN 1504-2 :2004	
MasterTile P 302 Beton Yapıların Korunması ve Tamiri İçin Mamuller ve Sistemler. Bölüm:2 Beton için Yüzey Koruma Sistemleri (Products and systems for the protection and repair of concrete structures Part 2: Surface protection systems for concrete)	
Prensipler: 1.2 Yabancı madde girişine karşı koruma, 5.2 Fiziksel direnç (Principles: 1.2 Protection against ingress, 5.2 Physical resistance)	
Kapiler su emme ve su geçirgenliği (Capillary absorption and permeability to water)	w<0,1 kg /m ² .√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 (Crack-bridging or/flexible systems Without trafficking:>0,8 N/mm ² (0,5 min))
Aşınma direnci (Abrasion Resistance)	Emprenye edilmemiş malzemeler ile kıyaslandığında aşınma direncinde %10 gelişme (10% improvement in abrasion resistance in comparison with a non impregnated sample)
Çarpmaya direnç (Impact resistance)	Deformasyon yok (No deformation)
Yangına karşı tepki (Reaction to fire)	B-s1;d0
Tehlikeli maddeler (Dangerous substances)	Madde 5.4 'e uygun (Comply with clause 5.4)