

MasterTile® P 300

Copolymer Acrylic Based Condition Improving Primer

DESCRIPTION OF PRODUCT

MasterTile® P 300 is a copolymer acrylic based single-part primer material for absorbent surfaces.

Complies with the EN 1504-2

FIELDS OF APPLICATION

- In inner and outer areas for vertical and horizontal applications.
- In the protection of absorbent surfaces like gypsum-plasterboard, gypsum-plaster, gas concrete, plaster, lime plaster, chipboard, etc. from humidity.
- To increase process time of leveling grout and similar grouts, increase ground adherence, and minimize air bubbles.
- In priming of gypsum-plasterboard, gypsumplaster, gas concrete, plaster, lime plaster, and brick walls to prevent cracks because of rapid water absorption of surface before gypsum plaster application.
- Before the application of ceramic or marble to absorbent surfaces like gypsum-plaster, gas concrete, lime plaster, and chipboard to prevent rapid loss of adhesive mortar water and falling of pavement in time.
- To improve condition of grouts under carpets against dusting.
- Used as primer before wallpaper and paint applications.

FEATURES AND BENEFITS

- Resistant against moisture.
- Prevents cracks because of rapid water loss in cement based pavements on absorbent surfaces.
- Easy to apply.
- Gives high adherence.
- Does not contain solvents and it is odorless. Used safely in closed areas.

TECHNICAL DATA

Structure of the material	Modified copolymer acrylic resin dispersion	
Color	Light blue	
Density	~1,00 kg/liter	
Consistency	Liquid	LX
Application ground temperature	+5°C +30°C	
Service Temperature	-20°C +80°C	
Drying Time	2 hours	
Time to wait before applying second layer	2 hours	
Other applications	24 hours	

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.

Mixing

MasterTile® P 300 is mixed by diluting with defined amounts of water stated in application.

Application

By spreading the material homogenously, prevent forming of congestion. Used as paint and wallpaper primer in absorbent surfaces like gypsum-plasterboard, gypsumplaster, gas concrete, lime plaster, and chipboard;

- MasterTile® P 300 is applied by brush or roll after diluting with 1/2 ratio of water.
- After drying test, other applications can be started. (Coverage: 80 - 125 g/m² diluted with water) Used for increasing process time of leveling grout and similar grouts, adherence to ground, and minimize air bubbles;
- MasterTile® P 300 is applied by brush or roll after diluting with 1/1 ratio of water.
- After drying test, other applications can be started. (Coverage: 100-150 g/m² diluted with water) Used before ceramic application to absorbent surfaces like gypsum-plasterboard, gypsumplaster, gas concrete, lime plaster, and chipboard;
- MasterTile® P 300 is applied by brush or roll after diluting with 1/1 ratio of water, and as concentrated for the second layer.
- After drying test, ceramic applications can be started after 24 hours. (Coverage: 125-175 g/ m² diluted with water).

Used for preventing cracks caused by rapid absorption of water before gypsum-plaster application in priming of

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

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gypsum-plasterboard, gypsum-plaster, gas concrete, plaster, lime plaster, and brick walls;

- **MasterTile® P 300** is applied by brush or roll after diluting with 1/2 of water for the first layer, and 1/1 ratio of water for the second layer.
- After drying test, other applications can be started. (Coverage: 100-150 g/m² diluted with water).

Used for improving condition of grouts under carpets against dusting;

- **MasterTile® P 300** is applied by brush or roll after diluting with 1/3 of water for the first layer, and 1/1 ratio of water for the second layer.
- After drying test, other applications can be started. (Coverage: 100 g/m² diluted with water).

These values may change depending on ground absorption, environmental temperature, and humidity. After **MasterTile® P 300** application, other applications can be started after 24 hours.

COVERAGE

Approximately 80-175 g/m² depending on surface absorption and roughness.

WATCH POINTS

- If environmental temperature is below +5°C or over +30°C in **MasterTile® P 300** application, then suitable temperatures must be waited for.
- Prevent the primer from getting dirty during and after the application.

CLEANING OF TOOLS

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

PACKAGING

10 kg and 30 kg plastic can

STORAGE

Must be stored in unopened original packing, and in cool and dry environment protected from freezing. In short-term storing, maximum 3 palletes 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 palletes must not be stowed on top of each other.

SHELF LIFE

12 months after the production date under appropriate storing conditions. **MasterTile® P 300** 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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20 DOP NO: 04.1504.2.025 EN 1504-2 :2004	
MasterTile P 300 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) 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)	Rijit sistemler, trafik yükü olmadan: > 1,0 N/mm ² (0,7 min) (Rigid Systems Without trafficking: >1,0 N/mm ² (0,7 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)	NPD
Yangına karşı tepki (Reaction to fire)	E
Tehlikeli maddeler (Dangerous substances)	Madde 5.3 'e uygun (Comply with clause 5.3)