

# MasterTile® P 303

## Modified Acrylic Dispersion Based Smooth and Non-Absorbent Surface Primer

### DESCRIPTION OF PRODUCT

**MasterTile® P 303** is a modified acrylic dispersion based single-part primer material for shiny and non-absorbent surfaces.

**Complies with the EN 1504-2**

### FIELDS OF APPLICATION

- Indoor and outdoor areas for vertical and horizontal applications.
- In outer areas for pavements like ceramic, glazed press brick, natural and composed stones.
- In inner areas with **MasterTile® FLX 29** application after priming of non-absorbent surfaces like non-emeried PVC or metal that stuck on ground strongly.
- For perfect adherence before **MasterEmaco® N 600** and **MasterEmaco® N 601** applications on shiny gross concrete surfaces.
- To increase process time of leveling grout and similar grouts, increase ground adherence, and minimize air bubbles.
- Used as primer before plaster or ceramic adhesion processes on wooden chip plates in inner areas.

### FEATURES AND BENEFITS

- Single-part.
- Does not contain solvents and it is environment friendly.

### 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 303** is mixed with a 400-600 RPM mixer for 3-5 minutes until a uniform mixture is obtained.

### TECHNICAL DATA

Structure of the material	Modified special dispersion and epoxy.	LX
Color	white	
Density	~1,31 kg/liter	
Consistency	Brush consistency	
Application ground temperature	+5°C +30°C	
Drying time	~3 hours	

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

### Application

Use a sheepskin roller as priming tool or use textured roller with small porous not to exceed the maximum application coverage. By spreading the material homogenously, prevent forming of congestion. Thickness must not be over 200 microns in each layer. When the primer is dried, a white, non-scratch, and sandy film layer is obtained. Application is made on this film layer.

### COVERAGE

Approximately 120-180 g/m<sup>2</sup> depending on surface absorption and roughness.

### WATCH POINTS

- **MasterTile® P 303** is not suitable for structures with continuous exposure to water.
- If environmental temperature is below +5°C or over +30°C in **MasterTile® P 303** 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. After **MasterTile® P 303** is dried, it can only be removed from the surface mechanically

### PACKAGING

5 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 303** freezes below 0°C. Opened packages have to be stored by tightly sealing the cover and must be used in one week.

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### 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: 04.1504.2.009 EN 1504-2 :2004	
<b>MasterTile P 303</b> <b>Beton Yapıların Korunması ve Tamiri İçin Mamuller ve Sistemler.</b> 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 <sup>2</sup> ·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 <sup>2</sup> (Crack-bridging or/ flexible systems Without trafficking: >0,8 N/mm <sup>2</sup> (0,5 min))
Aşınma direnci (Abrasion Resistance)	Emprenye edilmemiş malzemeler ile kıyaslandığında aşınma direncinde %30 gelişme (30% improvement in abrasion resistance in comparison with a non impregnated sample)
Çarpmaya direnç (Impact resistance)	Yük altında çatlak ve delaminasyon yok Sınıf 1: ≥ 4 NM (After loading no cracks and delamination (Class I ≥ 4 Nm))
Yangına karşı tepki (Reaction to fire)	E
Tehlikeli maddeler (Dangerous substances)	Madde 5.4 'e uygun (Comply with clause 5.4)