

# MasterTile® WP 668

## Elastomeric Acrylic Resin Based Waterproofing, Flexible Protective Coating

### DESCRIPTION OF PRODUCT

**MasterTile® WP 668** is an acrylic based single component waterproofing material used on under ceramic coverings in showers and bathrooms.

**Complies with the EN 1504-2**

### FIELDS OF APPLICATION

- For indoor use
- For walls and floors
- Resistance class A in accordance with the test principles to issue an official test certificate
- For wet areas not exposed to pressurised water, such as bathrooms, showers in residential buildings, hotels, old people's homes and hospitals
- On moisture-sensitive, absorbent substrates, e.g. plasters, plaster slabs, gypsum fibre boards, plaster boards, wooden chipboards, anhydrite screeds in moist and wet areas subject to usual domestic use

### FEATURES AND BENEFITS

- Waterproof, protects moisture-sensitive substrates.
- Flexible, compensates tensions, deformations of the substrate, variations in temperature and vibrations.
- Crack-bridging, high reliability even with subsequent cracks in the substrate.
- Solvent-free, no harmful risk to the environment, can be used without any risk to health.
- Meets the test principles to issue an official test certificate according to 2DB leaflet for bonded waterproofing for moisture resistance class A0 in combination with the adhesives **MasterTile® FLX 22**, **MasterTile® FLX 24**, **MasterTile® NTS 26**, **MasterTile® NTS 27**.
- Ready-to-use, easy to apply by roller, brush or trowel
- Two-coloured, for easier visual control of the layer thickness
- Resistant to lime water, ensures bond between protective coating and mortar if the adhesive bed is constantly submerged in water.

### APPLICATION PROCEDURE

#### Preparation of Substrate

The substrate must be sound, dry (cement screed 4%, anhydrite flowable screed 0.5%, measured with the CM meter), clean and free from oil, grease and other residues which should be removed by sand-blasting, brushing or shotblasting (Blastrac) if necessary. The practically smooth surface must not have any honeycombs, gaping cracks or ridges. Prime gypsum-based substrates and plaster boards beforehand with **MasterTile® P 300 RC**. Absorbent mineral substrates should be primed with **MasterTile® P 300 RC**. The primers must have cured prior to the application of **MasterTile® WP 668**.

#### APPLICATION METHOD

Place **MasterTile® WP 630** with applying **MasterTile® WP 668** on the cold joints and conjunctions at the corners. Obtain watertightness on the perimeter of pipe penetrations and drainages system by using of **MasterSeal® NP 474**. Apply **MasterTile® WP 668** by roller (lambskin roller), brush (wall brush, float), or trowel to the substrate to cover the entire area. A minimum of two coats is required. Any further coat is applied when the first coat is dry. For easier control of coverage it is recommended to apply the first coat with **MasterTile® WP 668** grey and the following coat(s) with. If the previous colour is visible the thickness of the applied coat is too thin and should be avoided. When **MasterTile® WP 668** has cured tiles can be laid with **MasterTile® FLX 22**, **MasterTile® FLX 24** on vertical and horizontal areas. Calibrated natural stone should be laid with the adhesives for natural stone **MasterTile® NTS 26**, **MasterTile® NTS 27**.

#### COVERAGE

2 layer 1.2-1.5 kg/m<sup>2</sup>

### TECHNICAL DATA

Material Base	Solvent-free synthetic resin dispersion
Color	White and/or Grey
Density	Approx, 1,5 g/cm <sup>3</sup>
Minimum Consumption	1,1 – 1,2 kg/m <sup>2</sup> (Dry Layer Thickness of 0,5 mm)
Thickness of Wet Film	Approx. 0,7 mm (min 2 layers)
Working Temperature	+5°C +25°C (substrate temperature)
Evaporation Time After 1 st Coat	Approx.1 hours
Evaporation Time After 2 st Coat Ready for Sbsequent Tiling	Approx.1 to 2 hours
Service Temperature	-20°C +80°C

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### WATCH POINTS

- **MasterTile® WP 668** is not recommended for outdoor use and waterproofing in swimming pools. For these purposes use the crackbridging waterproofing slurry **MasterTile® WP 666**.
- Do not apply **MasterTile® WP 668** substrate temperatures below +5°C and above + 25°C
- The protective coating can be exposed to foot traffic after 2 hours at the earliest when applying two coats.

### CLEANING OF TOOLS

All the tools and equipments must be cleaned by water after the application. After **MasterTile® WP 668** is hardened, it can only be removed from the surface mechanically.

### PACKAGING

10 kg plastic bucket

### STORAGE

Must be stored in unopened original packing, and in cool and dry environment protected from freezing 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® WP 668** freezes below 0°C and no permanent storage over +30°C.

### 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

**Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.**

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: [mbs.tr@mbcc-group.com](mailto:mbs.tr@mbcc-group.com)


Web: [www.master-builders-solutions.com/tr-tr](http://www.master-builders-solutions.com/tr-tr)

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**MasterTile® WP 668** Technical Data Sheet -Revision  
Date: 12/2020

# MasterTile<sup>®</sup> WP 668

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1020 Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti. Adres: Barbaros Mah. Begonya Sok. Nidakule Kuzey Ataşehir, C Kapısı No:3 E/5, 34746 Ataşehir İstanbul	
20 1020 – CPR – 040 065838 DOP NO: 02.1504.2.048-20	
EN 1504-2:2004 MasterTile WP 668 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) 1.3 Yabancı madde girişine karşı koruma, 2.2 Nem Kontrolü, 8.2 Nem içeriğini sınırlayarak direnci artırma amaçlı kaplama malzemesi (Principles: 1.3 Protection against ingress, 2.2 Moisture control, 8.2 Increasing resistivity)	
CO <sub>2</sub> Geçirgenliği (Permeability to CO <sub>2</sub> )	CO <sub>2</sub> S <sub>0</sub> Geçirgenliği > 50m (CO <sub>2</sub> S <sub>0</sub> Permeability > 50m)
Su Buharı Geçirgenliği (Permeability to water vapour)	Sınıf I (Class I)
Kapiler Su Emme ve Su Geçirgenliği (Capillary absorption and permeability to water)	w<0,1 kg /m <sup>2</sup> . \h
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)
Yangına karşı tepki (Reaction to fire)	C-s1;d0
Tehlikeli maddeler (Dangerous substances)	Madde 5.4 'e uygun (Comply with clause 5.4)