

# ARMOS 1-6mm

Extra fine polymer modified grout for tiles

EN 13888  
CG2WA

## DESCRIPTION

Ready industrial mortar for the joint-filling (grouting) of all types of ceramic tiles, absorbent or not, as well as marble slabs & tiles, for joints up to 6 mm. It is based on high-strength Portland white cement (I - 52.5) and selected marble and quartz aggregates and additives to improve adhesion and workability.

The product is accompanied by an Environmental Product Declaration (EPD) regarding the environmental impact during its life cycle (EPD registration number: S-P-09972).

## APPLICATION FIELDS

joint-filling of all types of tiles on vertical and horizontal surfaces, indoors and outdoors.

Add the MP 20 acrylic dispersion to further improve adhesion, flexibility and impermeability in areas occasionally affected by humidity and characterized by contractions and expansions (underfloor heating and exterior floors).

## CHARACTERISTICS/ ADVANTAGES

- High strength
- Excellent adhesion
- Moisture- and frost-proof
- High quality of raw materials
- Easy to apply - simply add water
- Stain-free and easy to clean

- Indoor and outdoor use
- Available in a variety of colours

## PRODUCT INFORMATION

**Packaging:** Plastic bags of 5 kg  
Cardboard boxes of 20 kg - Palette of 960 Kg

**Storage:** 18 months from the date of production in unopened package, in a dry place

## TECHNICAL CHARACTERISTICS

**Colour:** 24 different colours according to colour index

**Compressive strength /28 days:** >30 MPa (EN 12808-3)

**Flexural strength /28 days** >5 MPa (EN 12808-3)

**Compressive strength after**

**25 cycles of freezing - thawing:** > 30 MPa (EN 12808-3)

**Flexural strength after**

**25 cycles of freezing - thawing:** >5 MPa (EN 12808-3)

**Shrinkage:** ≤ 3 mm /m (EN 12808-4)

**Water absorption**

**after 30 min:** ≤ 2g (EN 12808-5)

**Water absorption**

**after 240 min::** ≤ 5g (EN 12808-5)

**Abrasion resistance:** ≤ 1000 mm<sup>3</sup> (EN 12808-2)

**Open time:** 60 min at 20°C

**Time for minor corrections:** 5-10 min

## APPLICATION INFORMATION

**Mixing ratio :** 1- 1.3 kg (lt) of clean water per bag of 5 kg

**Consumption :** Depending on the dimensions of the tiles, a consumption indicator is:

Tile dimensions cm →	30x30x1	60x60x1	90x90x1	120x60x1	15x90x1
1 mm joint g/m <sup>2</sup> →	85	55	40	45	130
Proportionally, consumption for greater joint widths can be calculated					

## APPLICATION INSTRUCTIONS

- For walls, proceed to joint-filling 12 hours after having fixed the tiles. For floors, after 24 hours
- Remove any foreign material from the surface of tiles and joints.
- It is recommended to wet the joints on dry surfaces before application.
- Use a mixer at low speed, to mix 1 bag (5 kg) with 1.0 – 1.3 kg of clean water, until a homogeneous and smooth coloured mixture is obtained.
- Leave the mixture for 5- 10 minutes to set and stir again.
- Use a rubber spatula for the joint-filling. Push the material with diagonal movements, until the joint is well filled. When the joint begins to dry (whiten) on the surface, remove the excess quantity with a damp sponge
- Then, clean with a dry cloth.
- For applications that require flexible and very strong adhesion, you may add the MP 20 acrylic dispersion to a ratio of 0.5 kg MP 20 + 1 kg of water / 5kg bag of ARMOS .

## ATTENTION:

- The content of the bag should be protected from humidity
- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature +5°C to +35°C
- Depending on the room temperature, the drying speed will vary. To prevent rapid drying of the material, at high temperatures, you should keep the surface wet, by using frequently a damp sponge

## HEALTH, SAFETY & ENVIROMENTAL PROTECTION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website [www.marmoline.gr](http://www.marmoline.gr) or upon request.

## LEGAL NOTICE

We guarantee the quality of all our products, based on their technical specifications, as described in the Declaration of Performance (CE) and this Technical Data Sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depends on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to conditions that are not subject to our control. The recommendations and implementation instructions

must be considered by the user as indicative, and always with given that the product has been traded and traded and stored according to its instructions. As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet. The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.