

## ARMOS 6-20MM GROUT FOR TILES

*Multi-use, for demanding materials, works and conditions.*

**Description:** Ready industrial mortar for the joint-filling (grouting) of all types of ceramic tiles, absorbent or not, for 6 - 20 mm joints. Based on high-strength Portland white cement (I - 52.5) and selected quartz aggregates and additives to improve adhesion and workability.

**Usages:** It is used for the joint-filling of extra-wide and thick ceramic tiles, on floors and walls, indoors and outdoors. Use for the joint-filling of cotto-type tiles and for all kinds of decorative bricks, natural and synthetic stones, klinker-type tiles, etc. The material is particularly moisture- and frost-proof. The surface can be cleaned with a wet sponge and water.



**Advantages:** High mechanical strength - rough surface (abrasion-resistant) • Durable, moisture- and frost-proof • Homogeneous quality • Excellent adhesion • Homogeneous quality • Incomparable quality of raw materials • Simply add water • Fast and easy to apply • Indoor and outdoor use. • Stain-free and easy to clean.

**Packaging /distribution:**

- 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.

**Safety precautions :** This product contains cement and reacts as alkaline with moisture, so it is classified as irritant. It must be used with care according to the instructions for use. In order to avoid any injuries due to alkalis of the cement, wear gloves, protective glasses and avoid breathing the dust. Please consult the SDS of the product.

**Specifications:** EN 13888 (CG2WA)

**TECHNICAL DATA:**

<b>Colour:</b>	4 shades according to colour index
<b>Compressive strength in 28 days:</b>	>30 MPa (EN 12808-3)
<b>Flexural strength in 28 days:</b>	> 5 MPa (EN 12808-3)
<b>Compressive strength after 25 cycles of freezing - thawing:</b>	> 30 MPa (EN 12808-3)
<b>Flexural strength after 25 cycles of freezing - thawing:</b>	> 5 MPa (EN 12808-3)
<b>Shrinkage:</b>	≤ 3 mm /m (EN 12808-4)
<b>Water absorption after 30 min:</b>	≤ 2g (EN 12808-5)
<b>Water absorption after 240 min:</b>	≤ 5g (EN 12808-5)
<b>Abrasion strength:</b>	≤ 1000 mm <sup>3</sup> (EN 12808-2)
<b>Open time for application:</b>	60 minutes at 20°C
<b>Time for minor corrections:</b>	5-10 min

**APPLICATION:**

**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:

consumption (gr/m<sup>2</sup>):

Tiles dimensions (cm):	20x20x0.7	20x20x1.2	30x30x0.9	40x40x0.9
5mm joint	350	1000	500	600
10mm joint	500	1500	900	1200
15mm joint	700	2000	1500	1800
20mm joint	900	2500	2000	2400

- Application mode:**
- 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 lt of clean water, until a homogeneous and smooth coloured mixture is obtained.
  - Leave the mixture to set for 5- 10 minutes and stir again.
  - Use a rubber spatula for the joint-filling of tiles. Push the material with diagonal movements, until the joint is well filled. When the joint begins to dry (whiten) on the surface of tiles, remove the excess quantity with a damp sponge.
  - Then, clean with a dry cloth.
  - Proceed to joint-filling after 12 hours (for walls) and 24 hours (for floors) after having fixed the tiles
  - 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 6-20.

**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 mixture may dry slowly or quickly. To prevent rapid drying of the material, at high temperatures, you should keep the surface wet, using frequently a damp sponge

The above application guidelines are indicative for the correct use of the product. For more technical details please contact the company's technical department.

*We guarantee the quality of all our products, on the basis of their technical specifications, as described in 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 depend 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. This edition of technical data sheet automatically cancels any previous version.*