

# Beyem Junta Universal

Polymer-modified tile grout mortar (CG2 AW)  
with bacteriostatic and fungistatic properties  
for joints up to 20 mm

EN 13888



## About this product

BEYEM JUNTA UNIVERSAL is a polymer-modified, colored tile grout mortar formulated with cement, selected aggregates, special additives, synthetic resins and mineral pigments. BEYEM JUNTA UNIVERSAL incorporates a large spectrum biocide that provides algacide and fungicidal properties. For joints up to 20 mm.

Indoor environment quality. Classified as A+ class according to Décret n°. 2011-321 (France).

## Benefits

- Wide range of colours.
- Low water uptake.
- High hardness.
- High abrasion resistance.
- Algicidal and fungicidal effect.
- Easy to use. Easy to clean.
- Excellent workability. Great plasticity.
- Mould-resistant.
- Very low VOCs emissions.
- Smart microencapsulated pigments (black color)

## Use

Grout mortar for joints up to 20mm. Suitable for all types of ceramic tiles, natural stone, glass mosaic, marble, etc. For interior and exterior situations to walls and floors. Specially suitable for use in wet areas (swimming pools).

## Substrates

BEYEM JUNTA UNIVERSAL is suitable for:

- Cement based substrates.
- Cement tile adhesives.

## Preparation of substrates

Substrates must be clean, compact and free of substances that reduce adhesion such as dust, oil, grease and with no loose material. Substrates must be dry and free from any rising damp. Empty joints must be dry and clean in all their length and depth. Wet the joints with clean water before application when using very porous ceramic tiles in high temperatures and in the presence of wind. Before starting the application, temporary porefiller BEYEM TAPA protects matt, porous and non-porous ceramic from possible pigment stains.

## Instructions for use

Mix manually or mechanically BEYEM JUNTA UNIVERSAL with 1,45l per bag (5Kg) of clean water until a homogeneous, creamy and lump-free paste is obtained. The amount of mixing water can be adapted in order to facilitate the application; however, an excess of mixing water may cause a visible shrinkage of the grout. Let the mix stand for 5 minutes before application. Fill the joints completely using the appropriate trowel or rubber float, making sure the joints are completely compacted, with no unevenness. Remove excess of BEYEM JUNTA UNIVERSAL, while still fresh, from the surface moving the float diagonally across joints.

When the mixture loses its plasticity and becomes matt, clean excess of grout mortar with a damp hard cellulose sponge or rubber float working diagonally to the joints. If cleaning is carried out too early (when the mixture is still plastic), the grout may be dragged from the joint leading to colour variation. On the other hand, if the grout has already hardened, it is necessary to clean the surface mechanically, which could scratch the surface of the tiles.

## Cautions and recommendations

- Do not apply on plastic, metal or wood.
- Do not apply below 5°C or above 30°C.
- Do not apply when there is risk of frost, rain, strong wind or direct sunlight.
- When applying BEYEM JUNTA UNIVERSAL in extremely hot, dry or windy days, it is recommended to wet the joints after several hours.
- In outdoor, joints should be protected from rain until completely drying of grout mortar.
- Adhesive should normally be left for at least 24-48 hours before grouting.
- Use BEYEM DESIN to clean up stained tiles (wait at least 15 days after application) . Make sure the product does not damage the tile. Do not use on grouted joints.
- If the grout is required to be completely impervious to water or chemically resistant, use BEYEM JUNTA-E (Epoxy).
- For porcelain tiles and natural stone BEYEM ADIFLEX can be added to the grout mortar, because with the addition of this product a transverse deformation S1 is achieved.

## Technical Data

### Product identity. Properties of mixture and application data

Appearance	Powder
Color	Colour Chart
Bulk density	≈ 1100 Kg/m <sup>3</sup>
Density of the mix	≈ 1750 Kg/m <sup>3</sup>
Mixing water, %	± 29%
Pot life	≤ 2 h
Coverage	It depends on size of tile and joint  $[(A+B)/(A \times B)] \times C \times D \times 1750 \text{ kg/m}^3 \times 1 \text{ m}^2 / 1000 \quad \text{Units: kg/m}^2$ A: length of tile, mm B: width of tile, mm C: thickness of tile, mm D: width of joint, mm
Tariff code	3824.50.90.00

### Final Performances

Type	CG2 AW
Abrasion resistance	≤ 1000 mm <sup>3</sup>
Flexural strength after dry storage	≥ 2,5 N/mm <sup>2</sup>
Flexural strength after freeze-thaw cycles	≥ 2,5 N/mm <sup>2</sup>
Compressive strength after dry storage	≥ 15,0 N/mm <sup>2</sup>
Compressive strength after freeze-thaw cycles	≥ 15,0 N/mm <sup>2</sup>
Shrinkage	≤ 3 mm/m
Water absorption after 30 min	≤ 2 g
Water absorption after 240 mm	≤ 5 g
Total VOCs (28 days)	≤ 500 µg/m <sup>3</sup>

## Packaging

BEYEM JUNTA UNIVERSAL is packed 25 kg plastic lined paper bags and 4x5 kg boxes.

Storage: when stored unopened in a cool dry place, shelf life is 12 months from date of manufacture.

## Cleaning tools

Tools can be cleaned easily with water before the product hardens. Hardened product can be remove only mechanically.

## Project specification

Grouting of ceramic and porcelain tiles, marble or natural stone, must be carried out with a mould-resistant, high abrasion resistance and low water uptake tile grout mortar compliant with EN 13888 - class CG2 AW, such as Beyem Junta Universal manufactured by Rodacal Beyem company. Joints must be free from traces of adhesives and flaky parts. Use a spreader or hard rubber float to apply the joint grout and suitable sponges and clean water to clean joints on completion. Joints of \_\_\_\_ mm width and tiles \_\_\_\_ x \_\_\_\_ cm in size will lead to an average coverage of  $\approx$  \_\_\_\_ kg/m<sup>2</sup>. Existing joints must be respected, and elastic fractionizing and perimeter joints must be created.

## Health and Safety

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet, which is available upon request.

Disposal of the product and packaging must be in accordance with current legislation. This is responsibility of the final product user.

## Certifications



ER-1089/1999



IDI-0004/2012



Indoor Environment Quality

Certificate nº LQAI.MC.67/15  
UNE-EN 16000-09

## Smart microencapsulated pigment



Last generation black grout mortar

Smart granular pigment: color strength is released only when mixed with water.

Result: clean black grout mortar, 40% less fine dust emission, 60% reduction of conventional carbon black pigments.

Greater color fastness in the medium and long term.

### Contact



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### Note

#### Product for professional use

The above guidelines and information is accurate to the best of our knowledge and is offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. End user should ensure that he has our latest literature, copy of which will be sent upon request.