

GROUTING MORTARS



MORCEM COLOR® PLUS FLEXIBLE

Colored, anti-fungal, water-repellent grouting mortar with additives for 2 to 15 mm joints



DESCRIPTION

Very fine and plastic water repellant coloured mortar for grouting 2 to 15 mm joints in all kinds of floor tilings. Special for grouting low-porosity pieces (porcelain stoneware) and swimming-pools and for the application in areas prone to growth of microorganisms.

COMPOSITION

Hydrorepellant product based on high resistance cement, high purity aggregates, pigments and additives which hinder the growth of microorganisms.

FEATURES AND APPLICATIONS

- AQUASTOP Effect: Repels water creating a "pearl" effect.
- BIOACTIVE Technology: Avoids microbial growth in wet areas.
- To be applied indoors and outdoors.
- High resistance to abrasion.
- High hardness.
- Intense colour.
- Easy to clean.
- Very fine texture.
- Low water absorption.
- Cracking resistant.
- Antifungus.
- Antialgae.
- Hydrorepellant.
- Flexible.
- Suitable for underfloor heating systems.



GROUTING MORTARS

MORCEMCOLOR® PLUS FLEXIBLE

SUBSTRATES

- Empty joints must be dry and clean in all their length and depth.
- Before starting the application, temporary porefiller PROTECMOR protects porous and non-porous ceramic from possible pigment stains.

INSTRUCTIONS FOR USE

- Add water and mix manual or mechanically to a consistent paste (not liquid).
- Let the mixture stand for 5 minutes and remix.
- When working in small areas, grout the joints with a rubber trowel or rechargeable grouting gun, pressing on the paste the material firmly.
- The mixture must be applied diagonally to the joints pressing the mixture onto the joints and removing the excess.
- Let the material dry slightly for 20-30 minutes. When the mixture becomes dull, you can clean the surface with a hard, slightly wet sponge.
- Polish the surface by using a clean dry cloth to remove dust only when the product has hardened in the joint.
- Let dry for at least 24 hours before normal traffic.
- Use DESMOR to clean up stained tiles. Make sure the product does not damage the tile. Do not use on grouted joints.

CAUTIONS AND RECOMMENDATIONS

- Do not apply below 5°C nor above 30°C.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Grouting must be carried out at least 24 hours after tile setting on walls or 48 hours after tile setting on floors.
- Do not use in expansion joints or joints subject to structural movements.
- Grout the joints once the floor or cladding is completely dry.
- Do not clean with acids as it may affect application.
- When applied in swimming pools, wait for at least 7 days after the grout has been applied, before filling the pool.
- Joints must be without dust and clean adhesive residue and should have a uniform depth, as at least 2/3 of the total thickness.
- Do not use on stands that are subject to moisture lifts.
- Do not add excess water, since its final performance can reduce.
- Do not clean the ceramic or tile with etching or other acids, since it will affect the color and can reduce the final performance of the Board.
- PH levels suitable for the maintenance of a swimming pool covered between 7 and 8.2, lower pH levels can damage the Board by reducing its durability.
- When dealing with swimming pools, ponds, spa, health resorts, etc. permanent diving conditions in thermal water, sea water or any other surface with saline treatments, it is very important to have an impermeable and acid resistant grouting and therefore, we suggest using MORCEMCOLOR EPOXI.
- In the case of areas subject to frost or very abrupt changes in temperature, it is advisable to MORCEMCOLOR epoxy.
- In the case of very absorbant tiles or high temperatures, before refilling the grouting, wet them with clean water, wiping with a wet sponge and avoiding water pooling.
- The amount of water recommended must be respected, since an excess will cause the development of effluorescences on the surface of the grouting.
- Do not clean with an excessive amount of water, or while the product is still fresh, to avoid carbonation and discolouration of the surface due to pigment dispersion.

GROUTING MORTARS

MORCEMCOLOR® PLUS FLEXIBLE

CONSUMPTION ACCORDING TO DIMENSIONS (KG/M²)

Yield (Kg/m²)
Data valid for 6 mm thick tiles

TILE SIZE	SEPARATION BETWEEN TILES (JOINT SIZE)				
	2 mm	5 mm	8 mm	10 mm	15 mm
15 x 15 cm	0,27	0,68	1,09	1,36	2,04
15 x 20 cm	0,24	0,60	0,95	1,19	1,79
20 x 20 cm	0,20	0,51	0,82	1,02	1,63
25 x 33 cm	0,14	0,36	0,57	0,72	1,08
30 x 40 cm	0,12	0,30	0,48	0,60	0,89
40 x 60 cm	0,09	0,21	0,34	0,43	0,64
45 x 80 cm	0,07	0,18	0,28	0,35	0,53

$((A+B)/A \times B) \times C \times D \times 0,17 = \text{Kg/m}^2$
 Where:
 A = Tile width 1 (cm)
 B = Tile width 2 (cm)
 C = Tile Thickness (mm)
 D = Joint width (mm)

PACKAGING

20 Kg plastic-coated bags and 5 Kg polyethylene bags.

Shelf life:

1 year (20 Kg plastic-coated bags)

2 years (5 Kg polyethylene bags)

In sealed original packaging, sheltered from weather conditions and humidity.

TECHNICAL DATA

Statistical data obtained under standard conditions

Aspect	Range of colours
Resistance to flexion after 28 days	> 2,5 N/mm ² (EN 12808-3)
Resistance to compression after 28 days	> 15 N/mm ² (EN 12808-3)
Resistance to flexion after freeze-thaw	> 2,5 N/mm ² (EN 12808-3)
Resistance to compression after freeze-thaw	> 15 N/mm ² (EN 12808-3)
Retraction	< 3 mm/m (EN 12808-3)
Abrasión	< 1000 mm ³ (EN 12808-2)
Water absorption after 30 min.	< 2 g (EN 12808-5)
Water absorption after 240 min.	< 5 g (EN 12808-5)
UNE-EN 13888 Classification	CG2 A W
Approximate yield	See chart

GROUTING MORTARS

MORCEMCOLOR® PLUS FLEXIBLE

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Cement based mortar prepared with aggregates that are supplied close to the production center, which reduces the greenhouse gas emissions that would otherwise arise from their transport. Manufactured in production centers with an Environmental management certified system following ISO 14001 regulation, offering a firm promise of sustainability and respect for the environment.

Cement based mortar with type III ecological label (the most strict) Environmental Product Declaration verified externally by AENOR.

NOTE

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.