



TECHNICAL DATA SHEET
ID Product Code 231
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FUGAMAX 220

JOINT GROUTING

Improved cement, quick setting and drying mortar for joint grouting from 2 to 20 mm with Mold resistant and water-proof properties.

Product description

FUGAMAX is an improved, professional, quick setting and drying, cement-based coloured or white mortar, with reduced water absorption and high abrasion resistance, for the filling and sealing of joints from 2.0 to 20.0 mm. The cement mortar is suitable for internal and external grouting of walls and floors with ceramic tiles, vitrified porcelain, porcelain, cotto, clinker and vitreous mosaic and natural stone materials.

Composition

FUGAMAX is a formula consisting of special hydraulic binders, synthetic resins, aggregates selected and gauged according to specific grading curve, organic pigments and specific additives that improve the product in terms of workability, adhesion, water absorption and resistance.

Mixing and application


Before applying FUGAMAX ensure that the joints to seal are clean and dry and dust free and that the adhesive has correctly hardened. For particularly absorbent surfaces, or when applying in high temperatures, it is advisable to wet the joints previously with clean water. Add a 5 kg small bag of FUGAMAX to approx. 1.2-1.3 litres of clean water and mix with an electric mixer at low speed until smooth and lump free. Adjust the amount of water for a more or less fluid mixture, depending on the type of application. Let the mixture rest for about 2'-3' minutes and remix briefly before use. The mixed product is usable for about 30' minutes. Do not add water or mix to reuse beyond this period. Fill the joints with grouting using a suitable rubber trowel in a diagonal direction compared to the joints. Remove the excess grouting from surface while still fresh. In the moment the grout FUGAMAX hardens in the joints, it is possible to clean and refine the surfaces. Remove any residue of grout from the surface using a clean damp sponge, in a circular motion on the newly sealed joints and finish with diagonal strokes in respect to the joints. During cleaning, rinse the sponge frequently with clean water. To avoid colour variations, always use the same amount of clean water evenly over the entire surface. Newly sealed floors can be walked on after approx. 3 hours, depending on environmental conditions.



Recommendations

Avoid applying in temperatures below + 5°C or above + 35°C. Avoid applying to surfaces that are dusty or unstable. Do not apply to surfaces that are frozen, thawing or if freezing temperatures are expected within 24 hours. Use mixing ratios indicated. Too much water or applying in temperatures below + 8°C with a high percentage of humidity can cause carbonation. When preparing product always use the same amount of water in order to avoid possible colour variations. Do not use the cement mortar for sealing existing expansion joints. Use suitable elastic sealants.

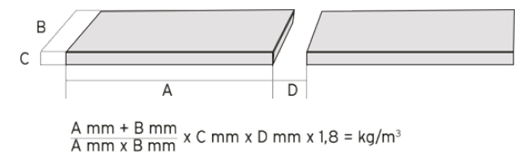
Chemical characteristics

Consistency	Powder
Colour	White or coloured
Dry bulk density	~ 1100 kg/m ³
Maximum aggregate size	≤ 0.2 mm
Water content of mixture	24-26%
Mixing ratio	1 small bag + 1.2-1.3 ℓ of water
Minimum application temperature	+ 5°C
Maximum application temperature	+ 35°C
Joint width	2.0-20.0 mm
Waiting time for finishing	20'-30' minutes
Ready to walk on	~ 3 hours
Ready for floor installation	≥ 24 hours
Pot life	≥ 30 minutes
Flexion resistance	≥ 3.5 N/mm ² (EN 12808-3)
Flexion resistance after freezing and thawing cycles	≥ 3.5 N/mm ² (EN 12808-3)
Compression resistance	≥ 15.0 N/mm ² (EN 12808-3)
Compression resistance after freezing and thawing cycles	≥ 15.0 N/mm ² (EN 12808-3)
Abrasion resistance	≤ 1000 mm ³ (EN 12808-2)
Shrinkage	≤ 3.0 mm/m (EN 12808-4)
Water absorption after 30' minutes	≤ 2.0 g (EN 12808-5)
Water absorption after 240' minutes	≤ 5.0 g (EN 12808-5)
Certification 	EN 13888 Cementitious grout with improved characteristics: high abrasion resistance and reduced water absorption CG2WA
LEED	Approved
Shelf life	12 months from production date in its original packaging (unopened container) between 5° and 30° C in a cool dry place.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

To calculate the approximate consumption, use the following formula (dimensions are in mm):



Storage

12 months in original intact packaging and stored in a dry place.



Packing

5 kg bags (4 bags x box of 20 kg)
20 kg bags protected by waterproof plastic wrap.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark and Origin of the good

PRIMAX[®] is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product FUGAMAX 220 is MADE IN ITALY.

DISCLAIMER All data indicated in this leaflet are the results of tests and experiments carried out in our laboratories and through reliable operators in the stone business and have to be considered reliable. Because of the many factors which can influence them, the information here reported do not constitute implicit or formal guarantees. The end user undertakes the responsibility in the usage of the product making sure to experiment the product characteristic as preventive measure

Bellinzoni

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