

FugaStyle® grouting joints

CEM 4-20

Grouting cement, single-component high performance for joints from 4 to 20 mm.



Grigio
Manhattan

Grigio
Cenere

Product description

FugaStyle® CEM 4_20 is a grouting cement, single-component high performance for joints from 4 to 20 mm, type CG2 WA, which it allows, with applications as easy and effortless, to make joints with high abrasion resistance, excellent UV stability and reduced water absorption.

Storage

Store in a cool, dry and non ventilated place. Keep packaging intact. Use before the expiry date stamped on the bag.

Surface Preparation and Application

The joints to be sealed should be clean, for the entire thickness, from residues of adhesive, mortar, or other foreign substance (crosstrees). Check that the coating is perfectly bonded to the substrate, which must be perfectly dry, and that the adhesive layer present curing, according to the technical data sheet.

Mix a 25 kg bag of FugaStyle® CEM 4_20 with 5 liters of clean water, using a mixer at low speed with helical whip, until dough is smooth and free of lumps, with a consistency slightly smoother for grouting of floors compared to that normally used for coatings.

Let the dough rest for 10 minutes ca., stirring for 30 seconds before use. The dough thus prepared, after mixing before application, can be used for about 2 hours (depending on environmental conditions). Apply FugaStyle® CEM 4_20 with rubber spatula, paying particular care and attention in completely fill the joints, applying the sealant diagonally to the tiles. critical conditions of application (very absorbent substrates, high temperatures, wind) can significantly reduce the open time, in which case it is advisable to moisten the edge of the joint prior to sealant application, avoiding the stagnation of water inside the joint.

The cleaning will be carried out transversely to the alignment of the joints using a damp sponge, very thick and large to

avoid scarifying the joints. Always keep the sponge clean. For grouting areas subject to permanent water such as swimming pools, FugaStyle® CEM 4_20 must be mixed, in place of water, with a solution of PRG 10 previously diluted with water in the following ratios: 1 lt PRG 10 + 5 liters of water.

Fields of use

FugaStyle® CEM 4_20 is a component cementitious grouting for sealing joints from 4 to 20 mm for floor and wall ceramic tiles, mosaic, marble, granite, natural stone, terracotta.

Specifications

The sealing of floor and wall joints will be carried out with the one-component cementitious grout FugaStyle® CEM 4_20 with a consumption equal to (see formula in the next section).

Consumption

Consuming FugaStyle® CEM 4_20 depends significantly on the size and the thickness of the tile and on the width of the joint, for estimated consumption is recommended to apply the following formula:

$$((A+B)/(A \times B)) \times C \times D \times 1,6 = \text{Kg/m}^2$$

A: tile length (mm)

B: tile width (mm)

C: tile thickness (mm)

D: joint width (mm)

Technical data according to the UNI EN 13888 Standard

Classification according to EN 12004	CG2 WA
Available colors	Manhattan Grey, Ash Grey
Water in the mix	5 lt - bag 25 kg (20%)
Pot life	2 h*
Set to light foot traffic	24 h*
Temperature during application	min + 5° C max + 35° C
Joint width	min 4mm - max 20mm
Ready for use	7 gg*
Compressive strength after freezing/thawing cycles Standard UNI EN 12808-3	30 N/mm ²
Bending strength after freezing/thawing cycles Standard UNI EN 12808-3	3 N/mm ²
Abrasion resistance Standard UNI EN 12808-2	1000 mm ³
Shrinkage Standard UNI EN 12808-4	1,7 mm/m
Water absorption after 30 min. Standard UNI EN 12808-5	0,5 gr
Water absorption after 240 min. Standard UNI EN 12808-5	1,0 gr
Resistance to the growth of bacteria S% (survival)	0 %
Degree of mould colonization C% (growth)	no visible growth

* these times refer to a temperature of 23°C-50% R.H.. They become shorter with higher temperatures and longer at lower temperatures

Disclaimers

Do not mix FugaStyle® CEM 4_20 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using FugaStyle® CEM 4_20 when temperatures are below +5°C or above +35°C.

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