

MULTIFILL DIAMOND 1-12

High performance, designer, polymer-modified, cement-based tile grout

Description

MULTIFILL DIAMOND 1-12 is a high performance, designer, highly water-repellent, colored, quick-setting, polymer-modified, cement-based tile grout. Thanks to its Portland cement-free formulation, it ensures perfect color uniformity and prevents the appearance of efflorescence and lime deposits. For the same reason, it is also more user-friendly – non-irritating. MULTIFILL DIAMOND 1-12 develops quickly, within 24 hours, high mechanical strength. Features also great water-repellency with drop-effect. The special bacteriostatic agents it contains prevent the growth of bacteria in the grouts joints. Ideal for joints 1-12 mm. Classified according to EN 13888 as CG2 WA tile grout.

Fields of application

Intended for internal and external grouting of floors and walls, in all tile types.

Technical data

Form:	cementitious powder
Colors:	18
Water demand:	0.90-1.00 l/4 kg bag
Bulk density of dry mortar:	1.20 ± 0.05 kg/l
Bulk density of fresh mortar:	1.70 ± 0.05 kg/l
Application temperature:	from +5°C to +35°C
Abrasion resistance: (EN 12808-2)	≤ 250 mm ³
Compressive strength after:	
• 28 days:	25.00 N/mm ²
• 25 freeze-thaw cycles: (EN 12808-3)	25.00 N/mm ²
Flexural strength after:	
• 28 days:	7.00 N/mm ²
• 25 freeze-thaw cycles: (EN 12808-3)	7.00 N/mm ²
Drying shrinkage: (EN 12808-4)	≤ 1.00 mm/m

Water absorption after:

• 30 min:	≤ 0.10 g
• 240 min: (EN 12808-5)	≤ 0.40 g

Pot life: at least 50' at +20°C

Walkability: after 3-4 h at +20°C

Directions for use

1. Substrate

The substrate covered with tiles should be perfectly clean. The joints should be carefully cleaned and dampened with a wet sponge.

2. Application

MULTIFILL DIAMOND 1-12 is added to water under continuous stirring, until a uniform paste is formed. A low revolution mixer is recommended for the mixing. The mixture should be left for about 3 minutes to stand and then is slightly stirred again. Spread the grout diagonally across the joints using a rubber float, in order to fill them completely. The excess material should be wiped after a while, using a wet sponge, to avoid any change in color. Finally, the surface may be cleaned with a dry cloth.

For use outdoors or at high temperatures, repeated dampening is recommended after a few hours and when the grout has dried.

Consumption

The consumption of MULTIFILL DIAMOND 1-12 depends on tile dimensions and joint width. The following cases are mentioned indicatively (values in g/m²):

Tile dimensions (cm)	Joint width			
	2mm	4mm	8mm	12mm
2 x 2 x 0.3	820	1.63	---	---
10 x 10 x 0.6	330	650	1.31	1.960
15 x 15 x 0.7	250	510	1.02	1.520
20 x 20 x 0.7	190	380	760	1.140
30 x 30 x 0.8	150	290	580	870
40 x 40 x 0.8	110	220	440	650
50 x 50 x 0.8	90	170	350	520

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Packaging – Colors

MULTIFILL DIAMOND 1-12 is available in the following 18 colors together with the corresponding codes, in 4 kg packaging:

Color	
01 White	•
02 Black	•
03 Grey	•
05 Light grey	•
06 Bahama beige	•
08 Brown	•
09 Light brown	•
10 Dark grey	•
17 Anemone	•
20 Maroon	•
21 Caramel	•
29 Silver grey	•
30 Cement grey	•
40 Dark Brown	•
41 Earth Brown	•
42 Grey Beige	•
45 Sand	•
46 Grey Blue	•

Sets of real MULTIFILL samples are available.

Shelf life – Storage

24 months from production date, in original, unopened packaging, in places protected from moisture and frost.

Remarks

- Consult the safety instructions written on the packaging before use.

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