

Technical Datasheet

MULTIFILL SMALTO 1-8

Tile grout with porcelain effect, water-repellent

Description

MULTIFILL SMALTO 1-8 is a colored, cement-based tile grout, enriched with resins. It offers high mechanical strength, superb color stability and great water-repellency. Thanks to the special bacteriostatic agents it contains, the growth of bacteria in the grout joints is prevented. It delivers a smooth, glossy final surface. Suitable for joints 1-8 mm wide.

Classified as type CG2 WA tile grout according to EN 13888 & ISO 13007-3. Test report No.: 20/22375-905, APPLUS Laboratories.

Fields of application

MULTIFILL SMALTO 1-8 is used for grouting tile joints on walls or floors, for indoor and outdoor applications.

Technical data

Form:	cementitious powder
Colors:	34
Water demand:	1.10 l/4 kg bag
Bulk density of dry mortar:	1.18 ± 0.05 kg/l
Bulk density of fresh mortar:	1.95 ± 0.05 kg/l
Application temperature:	from +5°C to +35°C
Abrasion resistance: (EN 12808-2)	≤ 500 mm ³
Compressive strength after:	
• 28 days:	35.00 N/mm ²
• 25 freeze-thaw cycles:	35.00 N/mm ²
(EN 12808-3)	
Flexural strength after:	
• 28 days:	7.50 N/mm ²
• 25 freeze-thaw cycles:	7.50 N/mm ²
(EN 12808-3)	
Drying shrinkage: (EN 12808-4)	≤ 2.50 mm/m
Water absorption after:	
• 30 min:	≤ 0.1 g
• 240 min:	≤ 0.3 g
(EN 12808-5)	

Pot life:	at least 2 h at +20°C
Walkability:	after 10 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 SMALTO 1-8 is added to water under continuous stirring, until a homogeneous paste is formed. A low-speed mixer is recommended for the mixing.

The mixture should be left to stand for about 3 min and then slightly stirred again. Spread the grout diagonally across the joints using a rubber float, making sure 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 SMALTO 1-8 depends on tile dimensions and joint width. The following cases are mentioned indicatively (values in g/m²):

Tile dimensions (cm)	Joint width			
	2 mm	4 mm	6 mm	8 mm
2 x 2 x 0.3	750	1,500	---	---
10 x 10 x 0.6	300	600	900	1,210
15 x 15 x 0.7	240	470	710	950
20 x 20 x 0.7	180	360	540	720
30 x 30 x 0.8	140	280	410	550
40 x 40 x 0.8	100	210	320	420
50 x 50 x 0.8	90	170	260	340

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Packaging – Colors

MULTIFILL SMALTO 1-8 is available in the following 34 colors together with corresponding codes and packaging (2 kg, 4 kg and 20 kg):

Color	2 kg	4 kg	20 kg
01 White	•	•	•
02 Black	•	•	
03 Grey	•	•	•
04 Pearl grey	•	•	
05 Light grey	•	•	•
06 Bahama beige	•	•	•
07 Red-brown	•	•	
08 Brown	•	•	
09 Light brown	•	•	
10 Dark grey	•	•	
11 Ivory	•	•	
13 Red	•	•	
15 Manhattan grey	•	•	
16 Light ochre	•	•	
17 Anemone	•	•	
18 Pearl beige	•	•	
19 Mocha	•	•	
20 Maroon	•	•	
21 Caramel	•	•	
25 Crocus	•	•	
29 Silver grey	•	•	
30 Cement grey	•	•	
31 Ceramic	•	•	
32 Mykonos blue	•	•	
40 Dark Brown	•	•	
41 Earth Brown	•	•	
42 Grey Beige	•	•	
43 Olive Green	•	•	
44 Camel	•	•	
45 Sand	•	•	
46 Grey Blue	•	•	
47 Lilac	•	•	
48 Lemon Yellow	•	•	
49 Turquoise	•	•	

Sets of realistic MULTIFILL samples are available.

Shelf life – Storage

- Paper bags of 20 kg:
12 months from production date.
- Plastic bags of 4 kg and 2 kg:
24 months from production date.

All of the above are in effect if the product is stored in original unopened packaging, in places protected from moisture and frost.

Remarks

- MULTIFILL SMALTO 1-8 contains cement and reacts as alkaline with moisture, so it is classified as irritant.
- Consult the directions for safe use and precautions written on the packaging before use.