

## Technical Datasheet

# MULTIFILL-STONE

## Colored, polymer-modified cementitious mortar for laying and pointing stones

### Description

Colored, polymer-modified cementitious mortar for laying and pointing natural or artificial stones. It provides high mechanical properties, water-repellency and excellent color stability. Suitable for joints 5-40 mm wide.

Classified as type CG2 WA grout, according to EN 13888, and as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements according to EN 998-2. Certificate No.: 0906-CPR-02412008. CE marked.

### Fields of application

MULTIFILL-STONE is suitable for laying and pointing artificial and natural stone, on walls or floors. For indoor or outdoor applications.

### Technical data

Form:	cementitious powder
Colors:	9
Water demand:	4.25 l/25 l bag
Maximum particle size:	1.3 mm
Bulk density of dry mortar:	1.50 ± 0.10 kg/l
Bulk density of fresh mortar:	1.85 ± 0.10 kg/l
Application temperature:	from +5°C to +35°C
Pot life:	at least 4.5 h at +20°C
Walkability:	after 24 h at +20°C

#### EN 13888:

Abrasion resistance: (EN 12808-2)	≤ 250 mm <sup>3</sup>
Compressive strength after:	
• 28 days:	≥ 15.00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles: (EN 12808-3)	≥ 15.00 N/mm <sup>2</sup>

Flexural strength after:	
• 28 days:	≥ 6.00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles: (EN 12808-3)	≥ 6.00 N/mm <sup>2</sup>
Drying shrinkage: (EN 12808-4)	≤ 1 mm/m
Water absorption after:	
• 30 min:	≤ 0.5 g
• 240 min: (EN 12808-5)	≤ 1.5 g

#### EN 998-2:

Compressive strength: (EN 1015-11)	Category M 15
Initial shear strength: (tab. value)	0.15 N/mm <sup>2</sup>
Reaction to fire: (EN 13501-1)	Class A1
Density (dry hardened mortar): (EN 1015-10)	1,650 ± 100 kg/m <sup>3</sup>
Water absorption: (EN 1015-18)	≤ 0.2 kg/m <sup>2</sup> min <sup>0.5</sup>
Water vapor permeability: (EN 1745, tab. value)	μ 15/35
Thermal conductivity: (EN 1745, tab. mean value; P = 50 %)	(λ <sub>10,dry</sub> ) 0.71 W/mK

### Directions for use

MULTIFILL-STONE is added to water under continuous stirring until a uniform paste is formed. A low-speed mixer is recommended for mixing. The mixture should be left to rest for about 5 minutes and then stirred again.

When used as a building material, it is applied with a trowel. Grouting is done while building, using the material that overflows. After that and if necessary, the grouts are completely filled with MULTIFILL-STONE with a thin metal trowel. The excess material is removed with a wet sponge.

# MULTIFILL-STONE

## Consumption

Consumption depends on tile dimensions and joint width and depth.

## Packaging – Colors

MULTIFILL-STONE is available in the following 9 colors together with corresponding codes and packaging (5 kg and 25 kg):

Color	5 kg	25 kg
01 White	•	•
02 Black		•
03 Grey	•	•
06 Bahama beige		•
07 Red-brown		•
08 Brown		•
10 Dark grey		•
16 Light ochre		•
20 Maroon		•

Sets of realistic MULTIFILL samples are available.

## Shelf life – Storage

- 25 kg paper bags: 12 months from production date.
- 5 kg plastic bags: 24 months from production date.

This information is valid as long as the product is stored in original, unopened packaging, in places protected from moisture and frost.

## Remarks

- MULTIFILL-STONE contains cement, which reacts with moisture forming alkaline solutions, thus is classified as irritant.
- Consult the directions for safe use and precautions written on the packaging before use.



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**0906-CPR-02412008**

**DoP No. MULTIFILL STONE/1248-02**

**EN 998-2:2010**

Designed general purpose masonry mortar for external use in elements subject to structural requirements

**Compressive strength:** Category M 15

**Initial shear strength:** 0.15 N/mm<sup>2</sup> (tab. value)

**Reaction to fire:** Class A1

**Density (dry hardened mortar)** 1650 kg/m<sup>3</sup>

**Water absorption:** 0.2 kg/m<sup>2</sup>min<sup>0.5</sup>

**Water vapor permeability:**  $\mu$  15/35 (tab. value)

**Thermal conductivity:** ( $\lambda_{10,dry}$ ) 0.71 W/mK (tab. mean value; P = 50 %)

**Durability (against freeze/thaw):** evaluation based on provisions valid in the intended place of use of the mortar.

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