

# 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         |
| Grain size:                   | up to 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      |
| Service temperature:          | from -30°C to +90°C     |
| Pot life:                     | at least 4.5 h at +20°C |
| Walkability:                  | after 24 h at +20°C     |

#### **EN 13888:**

Abrasion resistance: ≤ 250 mm<sup>3</sup>  
(EN 12808-2)

Compressive strength after:

- 28 days: ≥ 15.00 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: ≥ 15.00 N/mm<sup>2</sup>  
(EN 12808-3)

Flexural strength after:

- 28 days: ≥ 6.00 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: ≥ 6.00 N/mm<sup>2</sup>  
(EN 12808-3)

Drying shrinkage:

(EN 12808-4) ≤ 1 mm/m

Water absorption after:

- 30 min: ≤ 0.5 g
- 240 min: ≤ 1.5 g  
(EN 12808-5)

#### **EN 998-2:**

Compressive strength: Category M 15  
(EN 1015-11)

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

Reaction to fire: Class A1  
(EN 13501-1)

Density

(dry hardened mortar): 1,650 ± 100 kg/m<sup>3</sup>  
(EN 1015-10)

Water absorption: ≤ 0.2 kg/m<sup>2</sup>min<sup>0.5</sup>  
(EN 1015-18)

Water vapor permeability: μ 15/35  
(EN 1745, tab. value)

Thermal conductivity: (λ<sub>10,dry</sub>) 0.71 W/mK  
(EN 1745, tab. mean value; P = 50 %)

### 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:

| Color           | 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

12 months from production date if 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.

### ISOMAT S.A.

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