

MULTIFILL-STONE

Colored, polymer-modified cementitious mortar for laying and grouting stones

Description

Colored, polymer-modified cementitious mortar for laying and grouting natural or artificial stones. It provides high mechanical properties, water-repellency and excellent color stability. Suitable for joints 5-40mm 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 grouting artificial and natural stone, on walls or floors. For indoor or outdoor applications.

Technical data

Base:	cementitious powder
Colors:	white (01), black (02), grey (03), bahama beige (06), red-brown (07), brown (08), dark grey (10), light ochre (16), maroon (20)
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: ≤ 250 mm³
(EN 12808-2)

Compressive strength after:

- 28 days: ≥ 15.00 N/mm²
- 25 freeze-thaw cycles: ≥ 15.00 N/mm²
(EN 12808-3)

Flexural strength after:

- 28 days: ≥ 6.00 N/mm²
- 25 freeze-thaw cycles: ≥ 6.00 N/mm²
(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/mm²
(tab. value)

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

Density

(dry hardened mortar): 1,650 ± 100 kg/m³
(EN 1015-10)

Water absorption: ≤ 0.2 kg/m²min^{0.5}
(EN 1015-18)

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

Thermal conductivity: (λ_{10,dry}) 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 for about 5 minutes to stand and should be 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 the dimensions of the stone, as well as the width and depth of the joint.

Packaging

MULTIFILL STONE is supplied in 5 kg plastic bags and 25 kg paper bags.

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 package.



0906

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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/mm² (tab. value)

Reaction to fire: Class A1

Density (dry hardened mortar) 1650 kg/m³

Water absorption: 0.2 kg/m²min^{0.5}

Water vapor permeability: μ 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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BUILDING CHEMICALS AND MORTARS

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