

Colored, polymer-modified cement mortar for building and grouting stones

Description

Colored, polymer-modified cement mortar for building and grouting natural or artificial stones. It provides high mechanical properties and exceptional color stability. Suitable for joint width 5-40mm.

It is classified as type CG2 WA grout, according to EN 13888 and is certified with the CE marking, according to EN 998-2, as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements. Certificate number: 0906-CPR-02412008.

Fields of application

MULTIFILL-STONE is suitable for building and grouting every kind of 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), redbrown (07), brown (08), dark grey (10), light ochre (16), maroon (20)
Water demand :	4.25 lit/25 lit bag
Maximum particle size:	1.3 mm
Bulk density of dry mortar:	1.50 ± 0.10 kg/lit
Bulk density of fresh mortar :	1.85 ± 0.10 kg/lit
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: ≤ 1 mm/m (EN 12808-4)

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): 1650 ± 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 %)

MULTIFILL-STONE



Directions for use

MULTIFILL-STONE is added into 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 cure 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 metallic trowel. The excess material is removed with a wet sponge.

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 25 kg paper bags.

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 package.



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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}

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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.

BUILDING CHEMICALS AND MORTARS

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