

Mur 12 DSM

Coloured masonry mortar

Field of Application

Mur 12 DSM can be applied for any type of brickwork, using bricks, concrete blocks, lime-sandstone, for new constructions and renovations, indoors and outdoors (application types A and B).

The mortar can be applied once it shows sufficient rigidity, yet still contains sufficient plasticity in order to finish the joint sufficiently smooth.

Composition

Mur 12 DSM is a homogeneous mixture composed of calibrated sand, binding agents and additives enhancing its characteristics.

- Binding agents: Portland cement according to NBN EN 197.
- Granulates: sieved and recomposed sand 0/4 according to NBN EN 13139.
- Additives: specific additives to enhance the mortar's workability, water retention and adhesion. Colours other than basic grey can be ordered on request.
- Inorganic pigments and stabilizers: very finely grinded, mineral oxide pigments to enable colours or patterns in the facade.

Attention: the final colour is dependent on mortar consistency, temperature, air humidity, the porosity of the brick applied etc.

Characteristics

Mur 12 DSM is a dry, pre-mixed masonry mortar for general application (type G) suitable for all types of brickwork, where the joints are finished along with the bricklaying.

(joint width type L $8 < V < 12$)

Preparation substrate

The substrate and the bricks must be clean and free from components that impair adherence, such as

- (white) frost
- extreme sand build-up
- loam and pollution
- paint and oils

When laying bricks in hot, dry and windy weather conditions and/or in the event of dry bricks or substrates, the bricks must be pre-moistened.

Application

Mix Mur 12 DSM with approximately 13% clear water (3.25 l of water per 25-kg bag). Mix, preferably mechanically, until suitable consistency has been reached. The mortar must be homogeneous, smooth and free of lumps. The mortar must be used within 2 hours of creating the mixture. Once the mortar has started to set, do not remix it and do not add water.

The work must be performed in accordance with the rules of good practice and meet the WTCB regulations.

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Technical data

Strength class	M10
Compressive strength at 28 days	12.0 N/mm ²
Flexural strength at 28 days	2.5 N/mm ²
Bond strength at 28 days	0.3 N/mm ² (>0,2 N/mm ²)
Granulometry	0/4 mm
Wet mortar consistency	170 mm
Water requirement	± 14 %
Air content	± 14 %
Water retention	± 90 %
Performance / flow rate	± 625 l/ton
Volume mass hardened mortar	± 1850 kg/m ³

Packaging

Loose in silo, packed in bags of 25kg, 1350 kg/pallet with protective cover.

Shelf-life in the original packaging, if dry-stored, is 12 months.

Remarks

Finished work is to be protected against cold, heavy rain, wind and heat above 25°C.

Use of the masonry mortar on a frozen or thawing substrate is not permitted, nor in case of frost risk within 24 hours.

Once the masonry mortar has started to set, do not remix it and do not add water.

Use a clean, high-quality jointer that is free of rust in order to prevent staining or when jointing.