MV 40

DATA SHEET

Mortar for facing brick walls made from cement, for interiors and exteriors

Interior/Exterior

Sack

Silo

By hand

Composition

MV 40 is a dry premixed mortar composed of Portland cement, graded sands, water-repellent material and specific additives to improve workability and adhesion.

Supply

- Loose in silos (not available in the UK)
- Special bags with moisture protection from approx. 25kg

Use

MV 40 is used as mortar for building walls with exposed brickwork.

Mixing

Add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix in a cement mixer or, for small quantities, by hand or using a mechanical stirrer. Mixing time must not exceed 3 minutes. MV 40 in bulk is mixed using a horizontal mixer connected directly to the silo station (by gravity feed), or alternatively, by using a pressure silo and conveyor system, it can be mixed using a floor-mounted mixer. The mixed mortar must be applied within 2 hours.

Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- The fresh product must be protected against frost and quick drying. A temperature of +5°C is suggested as a minimum value for application. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened mortar may be broken up by frost.
- Due to the nature of the raw materials used (natural sands), uniformity of colour cannot be guaranteed between different supply lots. As a result, all the material required to finish the job should be acquired from the same batch.
- It is recommended to make sure the mixing methods, mixing time and percentage of mixing water remain constant: variations in these parameters may cause differences in the product colour shades.

MV 40 must only be used in its original state without the addition of other materials.

Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

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Quality

MV 40 is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Specific gravity of the powder	approx. 1,400 kg/m³
Granulometry	< 1.5 mm
Minimum thickness	10 mm
Mixing water	20-22%
Yield	approx. 1.65 ton of dry mortar to obtain 1,000 l of wet mortar (one 25 kg sack makes approx. 15 l of wet mortar)
Density of hardened mortar (EN 1015-10)	approx. 1,800 kg/m³
Compressive strength after 28 days (EN 1015-11)	> 10 N/mm²
Modulus of elasticity after 28 days	approx. 8,000 N/mm²
Water vapour diffusion resistance factor (EN 1745)	μ = 15/35 (tabulated value)
Capillary water absorption coefficient (EN 1015-18)	$c \leq 0.30$ kg/m²·min$^{0.5}$
Classification according to 998-2	M10

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.

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