

MS 20

TECHNICAL DATA SHEET

Cement mortar for masonry and plaster to be applied by hand, for interiors and exteriors



Interior/Exterior



Sack



By hand

Composition

MS 20 is a dry premixed mortar composed of hydrated lime, Portland cement, graded sands and specific additives to improve workability and adhesion.

Supply

- Special sacks with protection against moisture, approx. 25 kg

Use

MS 20 is used as mortar for building walls with bricks, concrete blocks etc. and as a foundation plaster to be applied by hand on brick walls, concrete blocks, rough concrete etc.

Substrate preparation

The application surface must be free from dust and dirt. Any traces of oil, grease, wax etc. must be removed beforehand. Concrete substrates must be dry and treated beforehand with primers, for example SP 22, or an undercoat of sand and cement with special AG 15 additive, or ready-to-use putty products such PAC 272.

Mixing

Add 16.5-19.5% clean water and mix in a cement mixer or, for small quantities, by hand or mechanical stirrer. Mixing time must not exceed 3 minutes. The mixed mortar must be applied within 2 hours.

Warnings

- Product for professional use.
- The fresh mortar must be protected against frost and quick drying. As the hardening of the mortar depends on the hydraulic setting of the cement and the air setting of the lime, a temperature of +5°C is suggested as a minimum value for application and for obtaining proper hardening of the mortar. Below this value, setting would be delayed excessively and below 0°C the fresh or partially hardened mortar could be broken up by frost.
- Paint, coverings and wallpaper etc. must only be applied after the plaster has completely dried and cured.
- Aerate the rooms thoroughly after application until the mortar is completely dry, avoiding excessive changes in temperature in the rooms.

MS 20 must only be used in its original state without the addition of other materials.

Storage

Store in a dry place for no longer than 12 months.

Quality

MS 20 is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and checked.



Technical Data

Specific weight of the powder	approx. 1,400 kg/m ³
Grading	< 1.5 mm
Minimum thickness	10 mm
Mixing water	16.5-19.5%
Yield as plaster	approx. 15 kg/m ³ with 10 mm thickness
Yield	approx. 15.5 q of dry mortar to obtain 1,000 l of wet mortar (one 25 kg sack makes approx. 16 l of wet mortar)
Density of hardened mortar (EN 1015-10)	approx. 1,650 kg/m ³
Compressive strength after 28 days (EN 1015-11)	> 2.5 N/mm ²
Modulus of elasticity after 28 days	approx. 5,000 N/mm ²
Water vapour diffusion resistance factor (EN 1745)	$\mu = 15/35$ (tabulated value)
Class	M 2,5 according to EN 998-2
	GP-CSII-W0 according to EN 998-1

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.