

Backing mortar for masonry
HM 2 / HM 2a / HM 3
HM 2a p. / HM 3 p. (suitable for pumping)

Masonry mortar in accordance with DIN EN 998-2 and DIN V 18580 NM II, NM , NM III.

Technical information	
Mortar class:	In accordance with DIN 998-2:
HM 2:	M 2.5
HM 2a / HM 2a p:	M 5
HM 3 / HM 3 p:	M 10
Mortar group:	in acc. with DIN V 18580:
HM 2:	NM II ($\geq 2.5 \text{ N/mm}^2$)
HM 2a / HM 2a p:	NM IIa ($\geq 5.0 \text{ N/mm}^2$)
HM 3 / HM 3 p:	NM III ($\geq 10.0 \text{ N/mm}^2$)
Grain size:	0 - 4 mm
Processing time:	Up to 2 hours at 20°C
Processing temperature:	> + 5°C and < + 30°C, Observe the processing instructions
Water required:	Adjust amount accordingly to obtain a workable consistency
Yield:	Approximately 650 l from 1,000 kg
Quantities required:	Dependent on the brick size
Delivery form:	Loose, for loading into silos on the construction site, loose in containers Also suitable for pumping (p)

Properties:

- Weatherproof
- Frost resistant after hardening
- Adjusted water retention
- Good workability

Applications:

- Suitable for all types of masonry stone, brick and concrete block
- For outdoor and indoor applications

Quality and safety:

- Mortar class M = 2.5, M5 or M10 as required
- Mortar group: NM II, NM IIa or NM III as required
- High quality bonding agent, in accordance with DIN EN 197 and DIN EN 459
- Favourable composition of aggregates
- Quality controlled
- Low chromate in accordance with TRGS 613

Processing:

The mortar is to be prepared using a flow mixer that is connected to the silo or container to produce the quantity and consistency required on the construction site. If required, the mortar can also be supplied in a form that is suitable for pumping.

The fresh masonry work must be protected from unfavourable weather conditions such as very high and very low temperatures, frost, draughts, direct sunlight and driving rain (by covering with a plastic sheet, for example). Do not carry out works at air and brick temperatures below 5°C.

Yield:

When mixed correctly, 1,000 kilograms of dry mortar produce approximately 650 litres of mortar, ready to use.

Quantities required:

For 1 m² of masonry area, the following empirical values apply for perforated brick. Approximately 15% less can be assumed for solid bricks, and up to 40% less for dry head joints. The specifications of the brick manufacturer must be taken into account.

Wall thickness [cm]	Format	Dimensions L / W / H [mm]	Mortar required [l/m ²] / [kg/m ²]
11.5	NF	240/115/71	Approx. 28 / 43
24	5 DF (thin format)	300/240/113	Approx. 42 / 65
30	5 DF	240/300/113	Approx. 56 / 86
36.5	6 DF	240/365/113	Approx. 68 / 105
49	16 DF	240/490/238	Approx. 63 / 97

Delivery form:

Loose, for loading into silos on the construction site, or in containers.

Note:

This product contains cement and produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.

The information provided is based on extensive tests and practical experience. It does not apply to every application situation. For this reason we recommend that you carry out a trial if necessary. Subject to technical alterations within the framework of further development. Our general terms and conditions apply.

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Further information is available from:
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