TECHNICAL LEAFLET

MARBOS

Shell limestone joint mortar fine — MuKa FU fine

For joint work indoors and outdoors, for stone materials of all kinds.

Mörtelklasse M 2,5 nach DIN EN 998-2 · cement-free · Conservation Restoration · Limestone binder from shell limestone

Application areas:

For jointing exposed and facing masonry.
Also suitable for permanently dry, gypsum-based masonry (Drain water from the facade using suitable methods).
For new and old buildings.

- For indoors and outdoors.

Properties:

- Mineral
- Easy to process
- Frost-resistant

Material basis:

Binder made of shell limestone from washed, burned and slaked sea-shells and pozzolan.
Selected aggregate from tested deposits acc. to EN 13139.

Technical data:

Standard masonry mortar	acc. to DIN EN 998-2
Mortar class	M 2.5
Aggregate size	up to 1,2 mm
Joint width	at least 5 mm
Joint depth	at least 15 mm
Processing temperature	+5 °C to +30°C (air, building and material temperature)

Substrate preparation:

Before starting the jointing work, the masonry must be at least 3 to 4 weeks old. Make sure that the joints are scraped out sufficiently deep, at least 1.5 cm, flank clean.
Carefully remove coarse mortar remnants and loose parts.
Check for cavities in the masonry.
Carefully close these cavities with mortar before jointing, since local water concentrations are possible there, which can lead to leaching, and consequently facade soiling
Pre-wet the facade areas well.

Working:

Mix the mortar until earth moist.
Apply the joint mortar into the pre-wetted joint channels and compact well.
Working method acc. to DIN:
1st work step: first butt joint, then bed joint;
2nd work step: first bed joint, then butt joint
Carefully sweep the jointed floor surface with a fine hand broom.
Do not mix with other substances.
Depending on the water absorption of the stone and the weather conditions during processing, the color of the mortar may vary.

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Working:	To avoid color differences due to weathering and processing only use material of the same batch number and only process whole containers for one surface. For color comparison, we recommend creating a sample area.
Post-treatment:	Protect the fresh mortar against drying out prematurely, driving rain and frost; use foil if necessary.
Material consumption:	30 kg = ca. 19.0 liter of ready-to-use mortar For NF brick masonry ca. 5 m² per bag (joint depth 20 mm/joint width 12 mm). For DF brick masonry ca. 4 m² per bag (joint depth 20 mm/joint width 12 mm).
Packaging:	• 30 kg bag, 42 bags/pallet
Storage:	• Protected from weather and dry on wooden racks or pallets • Storable in closed rooms for up to 12 months.
Waste management:	Hardened product remainders to be wasted as common rubble under code no. 17 09 04.
Cleaning:	Immediately clean containers, tools, etc. with water. Cleaning is only possible by mechanical means once the product has hardened
Safety notes:	• Keep out of the reach of children. • Additional information: see safety data sheet.
Notes:	• The technical data refer to +20 °C and 50 % relative humidity. Lower temperatures extend, higher temperatures shorten the specified values. • While the product is setting, protect it against direct sunshine, draughts, frost, rain as well as too high (> 30 °C) and too low (< 5 °C) temperatures. • Do not stir already setting mortar again with water. • The specifications of the stone manufacturers on water absorption must be observed. Section 9.1 of DIN EN 1996-1-1/NA (Eurocode 6) states: "In the case of highly absorbent stones and/or unfavorable weather conditions, premature water absorption from the mortar must be limited by pre-wetting the stones or other suitable measures. • During execution of work the relevant recommendations and guidelines, rules and standards, as well as the acknowledged rules of architecture and engineering have to be regarded. • We recommend in particular to observe the following regulations: DIN EN 998-2 and DIN EN 1996-2/NA. • Only selected and continuously tested raw materials are used in the manufacturing process. The washed seashells used for manufacturing shell limestone are subject to slight colour variations. These colour fluctuations are a feature of the natural raw materials and should not be regarded as a defect in the product. • In cases of doubt, create trial areas.
Quality control:	Subject to constant internal and external monitoring. Production and WPK are certified according to DIN EN ISO 9001.

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