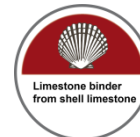


Shell limestone spray mortar

MuKa SPM 4

For dry spraying work in indoor and outdoor areas.



Application areas:



For dry spraying work in indoor and outdoor areas.

For natural stone masonry and mixed masonry of all kinds.

Careful selection and tested composition of the raw materials results after addition of the appropriate amount of water in the nozzle in a well adhering spray mortar with low rebound.

To achieve a monolithic, homogenous spray mortar, the application thickness should be at least four times the largest aggregate size, i. e. at least 16 mm or 32 mm.

Also suitable for permanently dry, gypsum-based masonry.

- For indoors and outdoors.

Properties:

- Mineral
- Easy to process
- Frost-resistant
- Good adhesive properties
- Suitable for pneumatic pumping with a corresponding rotor and chamber machine

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 plaster mortar	acc. to DIN EN 998-2
Strength class	M 2,5
Aggregate size	up to 4 mm
Processing temperature	+5 °C to +30°C (air, building and material temperature)

Working:

Crucial for the execution of spraying work is the examination of the masonry in need of restoration.

The exact examination must provide information as to whether single- or multi-layer spray mortar must be applied.

Before starting the restoration work with spray mortar, it must be clarified with the construction management whether the masonry must be pre-wetted and in which way the processing of the spray mortar surface is to be performed.

Do not mix with other substances.

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.

Shell limestone spray mortar		MuKa SPM 4
Post-treatment:	Protect the fresh mortar against drying out prematurely, driving rain and frost	
Material consumption:	30 kg = depending on water addition in the nozzle - ca. 18.0 liter of ready-to-use mortar	
Packaging:	<ul style="list-style-type: none"> • 30 kg bag, 42 bags/pallet 	
Storage:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Keep out of the reach of children. • Additional information: see safety data sheet. 	
Notes:	<ul style="list-style-type: none"> • 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. • 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. • The requirements of DIN EN 998-2 apply. • 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.	

During execution of work the relevant recommendations and guidelines, rules and standards, relevant technical instruction leaflets as well as the acknowledged rules of architecture and engineering have to be regarded. We do not have any influence on different weather/substrate and object conditions. Our written and spoken application/technological recommendations handed out to customers and craftsmen respectively are without obligation and do not constitute any contractual legal relationship and no lateral duty of a sales contract. All indications and recommendations of technical data sheets refer to standard purpose of use. With the publication of this technical instruction sheet, the previous ones lose their validity. This is a translation. Please refer in any case of misunderstanding the relevant German technical data sheet. ed. 16.08.2021