

## Shell limestone subfloor

## MuKa UB

For manufacturing substrates in indoor areas.



### Application areas:



For manufacturing of substrates in indoor areas, covered with natural stone or brick plates.  
Particularly suitable for restoration of historic structures such as castles, palaces, churches, etc.  
Also suitable for permanently dry, gypsum-based masonry.

- For indoors

### Properties:

- Mineral
- Easy to process

### Material basis:

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

### Technical data:

Compressive strength after 28 days	$\geq 5 \text{ N/mm}^2$
Aggregate size	up to 4 mm
Processing temperature	+5 °C to +30°C (air, building and material temperature)

### Substrate preparation:

The substrate must be suitable for the expected loads.  
When applying shell limestone subfloor MuKa UB onto filling sand, the fine subgrade must be provided with a suitable barrier layer – to avoid moisture penetration from below – and the layer must be raised on the sides of the masonry.  
In addition, suitable 1 cm thick edge strips must be applied to separate the subfloor from the masonry.

### Working:

Mix the mortar with ca. 4.5 liters of clean water per packaging unit.  
The mixing time should be ca. 2 minutes.  
The mortar should be processed within 2 hours.  
The application thickness should not be less than 7 cm.  
Do not mix with other substances.

### Post-treatment:

Protect the fresh mortar against drying out prematurely, driving rain and frost.

### Material consumption:

30 kg = ca. 16.0 liter of ready-to-use mortar

### 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.

<b>Cleaning:</b>	Immediately clean containers, tools, etc. with water. Cleaning is only possible by mechanical means once the product has hardened
<b>Safety note:</b>	<ul style="list-style-type: none"> <li>• Keep out of the reach of children.</li> <li>• Additional information: see safety data sheet.</li> </ul>
<b>Note:</b>	<ul style="list-style-type: none"> <li>• The technical data refer to +20 °C and 50 % relative humidity. Lower temperatures extend, higher temperatures shorten the specified values.</li> <li>• While the product is setting, protect it against direct sunshine, draughts, frost, rain as well as too high (&gt; 30 °C) and too low (&lt; 5 °C) temperatures.</li> <li>• Do not stir already setting mortar again with water.</li> <li>• 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.</li> <li>• The requirements of DIN EN 998-2 apply.</li> <li>• 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.</li> <li>• In cases of doubt, create trial areas.</li> </ul>
<b>Quality control:</b>	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. 03.05.2022