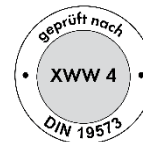


## MARBOS Shaft construction mortar

**SBM**

WW-Masonry mortar DIN 19573 — XWW4  
Hydraulically hardening, cement-based dry mortar  
M 25/DIN EN 998-2



### Application:



Laying, jointing and masonry mortar in canal and sluice construction  
Adjusted by special binders, grain composition and additives to the high requirements in sieve construction, especially to the chemical stress caused by aggressive, sulfate-containing sewage and wastewater.

- For wall and floor
- For indoors and outdoors

### Properties:

- High sulfate resistance
- Good adhesive bond strength
- Weather/frost resistant
- Abrasion resistant with high initial and final strengths
- Depending on its consistency, the mortar is suitable for laying or masonry
- Also suitable for joint smoothing
- Slurryable
- Manually processable

### Material basis:

- Standardised/approved binders – DIN EN 197
- Selected aggregate - DIN EN 12139
- Additives to improve processing properties

### Technical data:

Largest aggregate	2 mm
Mortar class	M 25
Mixing water per 1 kg	ca. 0,125 Liter
Mixing water per 40 kg	ca. 3,125 Liter
Processing time	ca. 2 hours
Processing temperature	+5 °C to +30 °C
Exposition class according to DIN 19573	XWW1 - XWW4
Building material class	A1 – DIN EN 13501-1 (non-flammable)

### Substrate preparation:

The substrate must be firm, load-bearing, clean, frost-free and dry.  
Observe DIN 1053. Stones must be frost-free.

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<b>Processing:</b>	Place clean, cold tap water in a suitable mixing device (e.g. free-fall or compulsory mixer). Sprinkle in the dry mortar (= 25 kg) and mix lump-free. Depending on the weather, the mortar must be processed within 2 hours.
<b>Post-treatment:</b>	The joints must be protected from drying out too quickly and weather influences such as sun, wind, driving rain and frost (e.g. with nets, jute bags).
<b>Material consumption:</b>	<ul style="list-style-type: none"> <li>• 25 kg dry mortar yield ca. 13,5 l fresh mortar</li> </ul>
<b>Packaging:</b>	<ul style="list-style-type: none"> <li>• 25 kg sack – 42 pieces per pallet</li> </ul>
<b>Storage:</b>	<ul style="list-style-type: none"> <li>• Protected from the weather, cool and dry on wooden racks, immediately seal opened containers.</li> <li>• Unopened containers if stored properly 12 months from date of manufacture.</li> <li>• Low chromate according to directive No. 1907/2006 (REACH) – GHS CODE ZP 1.</li> </ul>
<b>Waste management:</b>	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 lengthen; higher temperatures shorten the specified values.</li> <li>• Protect the setting product from sunlight, draughts, frost, driving rain and temperatures that are too high (&gt; 30 °C) or too low (&lt; 5 °C).</li> <li>• Do not stir setting mortar again with water.</li> <li>• Do not add any further substances!</li> <li>• A possible smoothing of the joint is best done immediately after the mortar has set in the joint.</li> <li>• Do not use at temperatures below +5 °C.</li> <li>• For the work to be performed, the relevant recommendations, guidelines, standards and regulations as well as the generally accepted rules of technology must be taken into account.</li> <li>• We recommend that the following regulations be observed in particular: DIN 18306 VOB-Part C(ATV) - Drainage channel work.</li> <li>• In cases of doubt, trial plots shall be established.</li> </ul>
<b>Quality control:</b>	Subject to continuous 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.20.01.2023