

## MARBOS Shaft ring quick grouting mortar

## VM fix fine

WW- shaft head mortar DIN 19573 — flowable  
Hydraulically hardening, cement-based dry mortar



### Application:



For play-free, extremely fast loadable and force-locking grouting and underfilling of joints between shaft frame and substructure, machine frames, crane rails, bridge bearings, high rack supports, concrete finished parts, anchors, etc.

- For floor
- For indoors and outdoors

### Properties:

- Commissioning at 20 °C possible after ca. 1 hour
- High flowability
- Quickly demouldable and early loadable
- Extremely high early strength
- Good hardening also at low temperature
- Swelling
- Shrink-free
- Increased frost/ de-icing salt resistance
- Increased sulphate resistance
- Permanent wet resistance
- Chloride-free
- Manually processable

### Material basis:

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

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<b>Technical data:</b>	Aggregate size	Up to 1 mm
	Colour	dark grey
	Mixing water per 25 kg	ca. 6 Liter
	Minimum layer thickness	10 mm
	Maximum layer thickness	50 mm
	Processing time	ca. 10 minutes at 20 °C
	Processing temperature	+5 °C to +25 °C
	Demouldable	After ca. 20 minutes at 20 °C
	Compressive strength after 1 day 28 days	ca. 30 N/ mm <sup>2</sup> at 20 °C ca. 55 N/ mm <sup>2</sup> at 20 °C
	Building material class	A1 – DIN EN 13501-1 (non-flammable)

<b>Substrate preparation:</b>	<p>The substrate must be firm, dry, load-bearing, clean, grippy, free from cracks and free of separating agents.</p> <p>If necessary, clean by suitable measures such as sandblasting, water jetting, ultra-high-pressure water jetting or similar.</p> <p>Before pouring, pre-wet the substrate to saturation and avoid standing water.</p>
<b>Processing:</b>	<p>Put ca. 6 l of water into a clean mixing vessel and add powder while stirring continuously with a suitable stirrer to produce a lump-free mortar.</p> <p>Process immediately!</p> <p>The working time of the highly flowable mortar is ca. 10 minutes at 20 °C. Setting immediately after mixing can be eliminated by stirring again.</p> <p>To avoid air inclusions and for void-free underpouring, pour in only from one side or corner and ensure sufficient ventilation.</p> <p>If necessary, poke or shake afterwards.</p>
<b>Post-treatment:</b>	<p>Protect freestanding surfaces for at least 3 days from drying out too quickly and weather influences such as sun, wind, driving rain and Frost. For this purpose, apply foils or similar and keep them moist</p>
<b>Material consumption:</b>	<ul style="list-style-type: none"> <li>• 25 kg dry mortar yield ca. 15 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 6 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>	<p>Hardened product remainders to be wasted as common rubble under code no. 17 09 04.</p>
<b>Cleaning:</b>	<p>Immediately clean containers, tools, etc. with water. Cleaning is only possible by mechanical means once the product has hardened.</p>

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<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; 25 °C) or too low (&lt; 5 °C).</li><li>• Do not stir already setting mortar again with water.</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>• 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