

# SEM

## Stone repair compound

Stone supplement mortar for supplementing and restoring natural and sandstone  
(formerly P250 stone replacement compound)

- compressive strength:  $\geq 10 \text{ N/mm}^2$



### APPLICATIONS

- for producing imitation sandstone (sculpture, ornaments etc.)
- suitable for subsequent grouting with smooth jointing

### PROPERTIES

- The colour and grain structure are largely adapted to the natural stone
- Colours: white, grey, custom colours and grain size 1.2 mm on request

### COMPOSITION

- High-quality binder in accordance with DIN EN 197-1 and DIN EN 459-1
- special sands
- alkali-resistant colour pigments
- additives

### SUBSTRATE

- |                         |   |
|-------------------------|---|
| <b>Properties/tests</b> | ■ The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.  |
| <b>Pretreatment</b>     | ■ Chip off damaged stones down to the healthy core (dovetail profiles) so that a minimum plaster thickness of 10 mm can be applied. For larger plaster thicknesses, a reinforcement made of non-corrosive material, e.g. V2A steel or brass, is to be made.<br>■ <b>The suitability of the product is to be checked before application.</b> |

### PROCESSING

<b>Temperature</b>	<ul style="list-style-type: none"><li>■ Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.</li></ul>
<b>Mixing / Preparation / Processing</b>	<ul style="list-style-type: none"><li>■ When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.</li><li>■ use a suitable agitator to mix the material until smooth and free of lumps. Leave to rest for a moment and then mix again, adding more water, if required, to achieve the right consistency for applying.</li><li>■ Do not mix with other products and/or other substances.</li></ul>
<b>Processing</b>	<ul style="list-style-type: none"><li>■ Apply maximum 30 mm per work stage.</li><li>■ The last plaster layer should finish 2-3 mm above the stone surface. This protrusion is taken off again using stonemason techniques after 28 days once completely hardened.</li><li>■ In case of subsequent grouting, introduce properly layer by layer with the jointing iron in an earth-moist to weakly plastic consistency.</li></ul>
<b>Drying / Hardening</b>	<ul style="list-style-type: none"><li>■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil.</li></ul>
<b>Cleaning the tools</b>	<ul style="list-style-type: none"><li>■ Clean all tools and equipment with water immediately after use.</li></ul>
<b>Notes</b>	<ul style="list-style-type: none"><li>■ Fog and rain may lead to staining and efflorescence.</li><li>■ The colour is influenced by the absorbency of the substrate, the weather conditions and the working method and may therefore deviate. Subsequent deliveries should be checked for colour matching before processing.</li></ul>

### PACKAGING

- 12,5 kg/bucket

### STORAGE

- Store dry and as per instructions.
- If stored in its original packaging, the product will keep for at least 12 months from the date of manufacture.

### QUANTITY REQUIRED / YIELD

- consumption: depending on application

### TECHNICAL DATA

<b>Fire behaviour</b>	A1
<b>Compressive strength</b>	$\geq 10 \text{ N/mm}^2$
<b>Flexural strength</b>	$\geq 6 \text{ N/mm}^2$
<b>Grain</b>	0 – 0,5 mm
<b>Modulus of elasticity (static)</b>	approx. 13,280 N/mm <sup>2</sup>
<b>Dynamic Young's modulus (E)</b>	approx. 17.300 N/mm <sup>2</sup>
<b>Capillary water absorption</b>	W <sub>c</sub> 1 (in accordance with EN 998-1)
<b>Water requirement</b>	approx. 2,1 l per 12,5 kg/bucket
<b>Colour</b>	according to template

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

### SAFETY AND DISPOSAL INSTRUCTIONS

<b>Safety</b>	<ul style="list-style-type: none"> <li>■ This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.</li> <li>■ Follow further instructions in the safety data sheet.</li> </ul>
<b>GISCODE</b>	<ul style="list-style-type: none"> <li>■ ZP1 (products containing cement, low-chromate)</li> </ul>
<b>Disposal</b>	<ul style="list-style-type: none"> <li>■ Dispose of the material in accordance with the official regulations.</li> <li>■ Completely empty and recycle the packaging.</li> <li>■ Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).</li> </ul>

### GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.