

MARBOS Pavement binder

PFB

Cementitious flexible bonding bridge for mortar bed laying/composite screeds – C2 E according to DIN EN 12004



Application areas:



Plastic-modified, trass-containing adhesion promoter between covering element (e.g. slabs) and bedding mortar or between bedding mortar and bound base course.

Cementitious flexible bonding bridge for conventionally produced sloped/composite screeds.

As contact slurry for the laying of natural stone slabs and fine stoneware without discoloration in the thick-bed method with MARBOS Natural Stone Mortar NM.

As a bonding bridge for composite screeds.

As contact slurry for paving and slabbed surfaces in combination with MARBOS paving bedding mortar NBM 4 D or MARBOS paving bedding mortar GBM 4D in indoor and outdoor areas, primarily for floor surfaces.

As a contact slurry for vibration laying of ceramic coverings or discoloration-free floor tiles made of natural stone.

In combination with mixing liquid S2:

The bonding adhesion of the bonding bridge between substrate and mortar as well as between mortar and covering (adhesion) is increased.

- For wall and floor
- For indoors and outdoors

Properties:

- Plastic modified
- Trass modified
- Water resistant
- High frost resistance
- High bonding strength
- For slurring
- Suitable for heated screeds on pre-wetted, mineral substrates

Material basis:

- Standardised/approved binders – DIN EN 197
- Selected aggregate - DIN EN 13139
- Additives to improve processing properties

Technical data:

Color	grey
Mixing water per 1 kg	ca. 0,26 Liter
Mixing water per 25 kg	ca. 6,5 Liter
Mixing ratio per 25 kg with mixing liquid S2	ca. 4.5 l water with 2 kg Mixing liquid S2
Maturing time	ca. 3 minutes
Processing time at + 5 °C	ca. 6 hours
Processing time at + 20 °C	ca. 3 hours
Processing time at + 30 °C	ca. 1,5 hours
Processing temperature	+ 5° C to + 30° C
Temperature resistance	- 20 °C to + 80 °C

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Substrate preparation:	<p>The substrate must be dry, solid, sufficiently load-bearing, free of cracks and torsion-resistant.</p> <p>Low-strength and/or non-load-bearing surface layers, extremely dense and/or smooth substrates, cement slurries, separating layers (e. g. dirt, dust, grease, oil, paint residues, etc.) must be removed and/or roughened (e. g. Blastrac process).</p> <p>The requirements of DIN 18157-1 apply.</p> <p>The pre-treated mineral substrate must be sufficiently pre-wetted and kept moist for ca. 2 hours before applying the adhesive bridge.</p>
Working:	<p>Mix in a clean vessel with clean, cold tap water until lump-free and of a consistency suitable for processing.</p> <p>We recommend using a spiral or double-disc stirrer.</p> <p>After the maturing time (see Technical Data), mix again thoroughly and process.</p> <p>When laying discoloration-free natural stone/concrete slabs in a mortar bed, the back of the slab must be slurried with the bonding agent without any flaws.</p> <p>For paved surfaces, it is recommended to use the dipping method.</p> <p>The bonding bridge is to be applied fresh in fresh.</p> <p>The coverings are laid immediately afterwards in the fresh bedding.</p>
Material consumption:	<p>The material consumption depends on the condition of the substrate, the handling of the tool and the type of material to be processed.</p> <ul style="list-style-type: none"> • Ca. 1,5 kg/m²
Packaging:	<ul style="list-style-type: none"> • 25 kg paper bag - 42 pieces per pallet
Storage:	<ul style="list-style-type: none"> • Protected from weather, cool and dry on wooden racks. Seal opened containers immediately. • Unopened containers if stored properly 12 months from date of manufacture. <p>Low chromate according to directive No. 1907/2006 (REACH) - GHS CODE ZP 1.</p>
Waste management:	<p>Hardened product remainders to be wasted as common rubble under code no. 17 09 04.</p>
Cleaning:	<p>Immediately clean containers, tools, etc. with water. Cleaning is only possible by mechanical means once the product has hardened</p>
Safety note:	<ul style="list-style-type: none"> • Keep out of the reach of children. • Additional information: see safety data sheet.
Note:	<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. • Protect the setting product from sunlight, draughts, frost, driving rain and temperatures that are too high (> 30 °C) or too low (< 5 °C). • Do not stir setting mortar again with water. • Movement joints must not be bridged. Observe ZDB data sheet "Movement Joints in Claddings and Coverings made of Tiles and Slabs".

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Note:

- For the work to be performed, the relevant recommendations, guidelines, standards and regulations as well as the generally accepted rules of technology must be observed.
- We recommend in particular that the following regulations be observed: the currently valid **ZDB data sheets**, **DIN 18202** "Tolerances in structural construction - Structures" and **DIN 18352** VOB-C:(ATV) "Tile and slab work", **DIN 18318** VOB - Part C: (ATV) - Pavement and slab coverings, edgings, **ZTV Wegebau** Additional technical contract conditions for the construction of paths and squares outside of road traffic areas, **FGSV 618-2** Leaflet for surface reinforcements with pavement and slab coverings in bonded design M **FPgeb R2**.
- In cases of doubt, create trial areas.

Quality control:

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 23.06.2022