

BERGERBOND M1

Description

1-component-SMP-adhesive on the basis of high wear silane-modified polyurethane raw materials. Per DIN EN 14293 resp. ISO 17178 this adhesive is suited for non-tension gluing. BergerBond M1 is an adhesive recommended for strip parquet, solid wood floors, ($t \leq 22 \text{ mm}$ $l \leq 2200 \text{ mm}$), two-layer parquet and three-layer parquet. The product can also generally be used for adhering mosaic parquet, upright multilayer parquet, solid wooden boards (bigger formats), wood block paving (WE/RE), and most exotic woods, however, the use of BergerBond M1P is preferable with these. The product is also suitable for underfloor heating, chair castors and is sound insulated. It is solvent-free, contains no water and is free of softening interactions with other Berger-Seidle sealing systems - and is overall very low in emissions at the EC1-R level. In addition, BERGERBOND M1 is characterized by a very high bond strength, quick initial adhesion and strong, rapid hardening. BERGERBOND M1 allows loss-free, quick, hard-elastic and safe gluing.

Certificates / Approvals



Blauer Engel: www.blauer-engel.de/uz113

Giscode: RS10
Emicode: EC1-Plus
AbZ-Nr. Z-155.10-457
M1: listed
Breeam: compliant
ATFA: member
NWFA: member
MFMA: member

Technical data

Mixing ratio:	not applicable
Processing/Laying time:	30-40 min.
Fit for walking on after:	3-5 h
Fit for further work after:	12 h
Final hardness after:	48 h
Flash-off time:	no
Suitable for in-floor heating:	yes
Shear Strength	approx. 290 PSI (2N/mm ²)
Moisture Levels:	on concrete: up to 14lbs per 24hrs per SF und 92% rF, ASTM F1869
With Primer P	used as moisture barrier (up to 18 pound / 1.000 sq. ft. / 24 hours (ASMT F 1869) or up to 98 % RH (ASTM F 2170-02)) Compare TDS primer P
Shear elongation:	>1

All data are based on standard climate (23°C and 50% rel. humidity). If the conditions differ from this standard, the times will differ too!

Special advice

Do not use BERGERBOND M1 in conditions below + 15°C or above 65% rel. humidity. In the cold season adhesive and

flooring elements should be given time to reach the same temperature.

Adhesive residues of BERGERBOND M1 can be easily removed.

Serum formation is a product-specific property that has no influence on product quality.

Application

BERGERBOND M1 can be evenly applied with an appropriate serrated trowel (BERGERTOOL ZAHNSPACHTEL (toothed trowel) B3, B7, B11, B15). Do not cover with adhesive more than 1 m² at one time.

Immediately lay the flooring elements, thoroughly press. Be sure that the flooring elements' underside is completely covered with adhesive. Follow the structural components extension joints.

Consumption

800–1300 g/m² (50-90 sf/gal), depending on trowel serration, flooring type and subfloor.

Subfloor

The subfloor must be clean (free of contaminations), dry (permanently dry!), firm, plane and free of cracks. The requirements of DIN 18356 "Wood flooring works" must be met.

BERGERBOND M1 can be combined with BERGERBOND PRIMER P, BERGERBOND PRIMER D and BERGERBOND PRIMER E. For anhydrite screeds we recommend BERGERBOND PRIMER P and BERGERBOND PRIMER E. For Moisture Levels use BERGER PRIMER E or BERGER PRIMER P

If there is a risk of rising moisture, one has to check whether the relevant rules referring to the sealing against moisture have been complied with.

In case of underfloor heating the subfloor needs to be checked if it must be primed. The primer must dry sufficiently.

BERGERBOND M1 can be applied without priming on non-absorbing and absorbing subfloors (as for example on cement, anhydrite and anhydrite flowing screeds).

Storage / transport

Can be stored for at least 18 months as from the date of production if transported and stored in cool and dry conditions, and if the original packaging is not opened. Protect from frost!

Safety instructions:

Keep out of the reach of children. Provide for sufficient ventilation, particularly in closed rooms. Do not eat, drink or smoke when using this product. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. IF ON SKIN: Wash with plenty of soap and water. Do not allow to enter into surface water or drains. Clean the tool immediately after use with Water and soap. Recycle only completely emptied packaging. Dried material residues can be disposed of as household waste. During the setting process, methanol is split off. Ventilate permanently during

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processing. Intensive ventilation after laying the floor for several days. Wearing safety gloves. Ingredients according to VdF-RL-01 silane-terminated polymers, mineral fillers, plasticizers, additives.

General remark

Please read the instructions carefully before processing this product. This Berger-Seidle product must be processed by a qualified person for parquet laying, for whom this manual is intended. The activities shall be carried out in accordance with the rules of the craft, the state of the art and the applicable standards and regulations of the country in which the product is used. The specifications of DIN 18356 "Parquet and wood paving" and DIN 18365 "Flooring work", information sheets and technical information of the TKB, the BEB, the CTA and the BVPF-Bundesverband Parkett & Fußboden-technik must be observed. The customer must be informed about the cleaning and care specifications of the product. Any use that does not conform to the scope of Berger-Seidle's application is considered improper. The improper use and non-compliance

the instructions in this manual is largely the responsibility of the processor and as a result excludes the manufacturer's liability and warranty. Before using the product, the general conditions for use must be checked properly and professionally.

Cross reference




The following Technical Data Sheets should be observed:

- General recommendations for the usage of adhesives
- Marking and safety recommendations (MSDS)
- Installation instructions by hardwood floor manufacturers and valid standards

* If the content of the Technical Data Sheet differs from other printed material, e.g. labels, the current version of the Technical Data Sheet on the homepage is always deemed valid. Printed material is always adapted when reprints are made.

Adhesive trowel selection for recommended coverage

Provided below is guidance on the Berger-Seidle trowels and other trowel designs providing similar coverage.

Floorings Products	Berger-Seidle-Trowels		Coverage	
	Dimension	Sample	kg / m ²	m ² / L
Solid or engineered hardwood flooring	B 11 7.9mm x 6.1mm x 5mm		1.2 - 1.4	1.2 - 1.4
Solid or engineered hardwood flooring where a higher coverage rate is required	B 15 6.9mm x 5.6mm x 6.3mm		1.4 - 1.6	1.0 - 1.2
Finger parquet	B7 4.4mm x 3.6mm x 3.9mm		~ 0.9	up to 2.0
These trowel sizes are suggested to provide the ideal coverage of adhesive during installation. Periodically check and make sure that at least 80% of the wood has direct bond contact to ensure proper bonding between the flooring and subfloor. Uneven surfaces may require the use of either a self-levelling / patching material, or larger V notch trowel for proper coverage to adhesive.				