

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, ($t < 22 \text{ mm}$ $l < 2200 \text{ mm}$), 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-Plus 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

Specifications

Components: SMP
 Clarity: colored
 VOC-value: 0 (in g/L) ASTM D 2369
 Scent: unoffensive
 Density: 8.61 lb/gal
 Packaging: 3x1 Gal
 20x20 us fl oz
 3 Gal bucket
 Coverage: 50-90 sf/gal
 Stability: do not freeze
 -5°C momentarily possible
 Dry Time: 12 hrs.
 Classification: hard elastic
 Shelf Life: 18 months
 Flash Point: N / A

For further details please refer to MSDS.

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/mm²)
 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 (73,4°F 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 from a lacquered surface. 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.

All technical applications, combinations, variations, and layer constructions not explicitly mentioned, or not individually approved and signed by our laboratory, are considered untested, unapproved, or both. This applies in particular to the use of third-party products whose composition is unknown to us and may change over time. Any application or handling outside our approvals, instructions, or recommendations is at the user's own risk.

Consumption

800-1.300 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.

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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 Precautions

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 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.

Description of first aid measures

If medical advice is needed, have product container or label at hand.

24-hour emergency number in side USA: +1 872 5888271

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

Manufacturer's Recommendations

Please read the instructions for use carefully before using this product. This Berger-Seidle product must be used by a professional who is qualified to lay parquet flooring, and these instructions are intended for such specialist installers. The work must be carried out to comply with best practice in the trade, the state of the art and the valid standards and regulations of the country in which the product is used. Please comply with and observe the specifications of DIN 18356 "Laying of parquet flooring and wood block flooring", DIN 18365 "Flooring works", data sheets and specialist information from the TKB (Technical Commission on Construction Adhesives), the BEB (Technical supply conditions for coverings and coatings made from reaction resins), the CTA (Chemical Technical Assistance) and the BVPF (Federal Association for Parquet & Flooring Technology). The customer must be informed of the cleaning and care instructions for the product. Any use that fails to comply with the intended application specified by Berger-Seidle is considered improper use. The user is solely responsible for any use other than the intended use or for the failure to comply with these instructions, and this will therefore render the manufacturer's liability and warranty obligations null and void. Please read the general conditions for use carefully before using the product. All the information contained in these instructions for use and in other documents and verbal indications are recommendations and important guidelines for the successful use of the respective products. This does not release the user from the obligation to conduct site-specific application tests prior to installing the product. Our liability and responsibility are governed exclusively by our General Terms

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and Conditions, and this information and/or our guidelines do not extend such liability or responsibility. The following essentially applies: Our recommendations for the use of the product have been carefully compiled and in accordance with our General Terms and Conditions and the information provided to us. The assembly and processing specifications are provided to the best of our knowledge, make no claim to completeness, and do not exempt us from the actual testing of the guidelines and products for their suitability for the intended application. The assumption is that users and installers will comply with the instructions on the packaging, technical information sheets, operating and processing instructions and markings and the relevant technical guidelines and standards, and that installation will be carried out by a qualified installer in accordance with the relevant regulations. The names, words and symbols bearing the ® mark are protected by trademark law in at least one country. The publication of updated information and data sheets will render any previous versions invalid.

Selecting the right putty knife for the recommended application. Below you will find information about Berger-Seidle putty knives and other types of putty knives that offer a similar application thickness

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.

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.				