



MAX 285

ONE-COMPONENT SMP WOOD FLOORING ADHESIVE

DISCRIPTION

Bostik MAX285 is a high-performance elastic wood flooring adhesive based on Silyl-Modified Polymer (SMP) technology, offering excellent adhesion. Its one-component formula requires no mixing, and is easy to apply and clean. With low VOC content, it is both water-free and solvent-free, making it user and environmentally friendly. Once cured, it forms a tough and stable rubber elastomer with outstanding mechanical properties.

APPLICATIONS

- Applicable substrates include: concrete floors or cement-based self-leveling floors with a strength of C25, terrazzo, ceramic tiles, wood, plywood, etc.
- It is suitable for bonding solid wood flooring, engineered wood flooring, parquet flooring, bamboo flooring, etc.

FEATURES

- Safe for workers and the environment
- Low VOC, low odor.
- One-component, no mixing required, easy to apply and clean.
- No shrinkage after curing, and the adhesive strip maintains its original shape.
- Excellent elasticity, the adhesive can accommodate the expansion and contraction of the floor caused by changes in humidity and temperature.
- Excellent adhesion to various substrates.
- Noise reduction and moisture proofing.
- Suitable for underfloor heating systems.

TECHNICAL DATA

Base		Silyl Modified Polymer (SMP)
Curing method		Moisture
Tack free time	23°C/47%RH	Approx.60 min
Solvent content		0 %
Isocyanate content		0 %
Colors		Beige
Density		Approx. 1.40 g/ml
Open time	23°C/47%RH	Approx. 60 min
Curring time	23°C/47%RH	2 - 3 mm/24 hours
Shore A hardness		Approx. 45
Application temperature		+5°C to +40°C
Temperature resistance after curing		-40°C to +90°C
Tensile strength	GB/T 528	Approx. 2.4 MPa
Elongation at break	GB/T 528	Approx. 220 %

DIRECTIONS FOR USE

- Read and understand the Technical Data Sheet and the relevant Safety Data Sheet of the product.
- Follow industry standards and floor manufacturer's recommendations for acclimatization, design, layout and application of wood flooring materials.
- If jobsite conditions are outside of flooring manufacturer's recommendations, take the necessary corrective measures.
- Wear suitable PPE (gloves and safety goggles) when handling this product.

SUBSTRATE & SURFACE PREPARATION

- Ensure the substrate has been properly installed and prepared in accordance with relevant standards and the manufacturer's recommendations.
- Surfaces must be clean and free from loose materials, oil, grease, sealants, curing compounds, paint, polymer coatings, dust or other (bond-inhibiting) substances. All weak or brittle materials must be removed.
- Excess asphalt, adhesives or laitance should be removed by light sanding, mechanical shot blasting or grinding, followed by vacuuming to remove debris and dust.
- The flatness of the substrate shall be at least 3mm/3 meters. That means when a flat plate is placed on it, there shall be no gap exceeding 3.00mm under the straight edge. If the gap exceeds this range, leveling treatment shall be carried out.
- All substrates must be structurally intact before adhesive application, and concrete slabs shall be constructed in accordance with relevant national standards.
- It is recommended that the substrates be treated for moisture protection.
- Important Note: Concrete substrate should NOT be smooth and reflective; it must have a slightly textured and porous surface. It is recommended to test for adequate substrate absorption and texture in several areas throughout the jobsite by sprinkling droplets of water onto the slab. Within 1 minute, water droplets should show signs of penetrating the substrate. It is proved by a water stain on the concrete without a "domed" droplet. If no signs of water penetration are shown within 1 minute and "domed" droplets remain, the substrate will need to be mechanically textured.

METHOD OF USE

- Apply adhesive in a full coverage manner with a notched trowel. It is recommended to select an appropriate trowel size to ensure optimal adhesion coverage.
- Spread the adhesive evenly and start installing the flooring immediately. Apply sufficient pressure to ensure full contact between the flooring and the adhesive.
- During the installation process, check the adhesive coverage regularly. The required coverage rates are as follows:
 - >=80% for engineered wood flooring.
 - >=95% for solid wood flooring.
 - 100% for applications requiring moisture resistance.
- For solid strip flooring, the preferred method to maintain pressure is to apply a certain weight on the flooring.
- If a thin skin has formed on the adhesive before flooring installation, re-scrape the adhesive with a trowel at a 90° angle until there are no traces of the original trowel scraping. However, any adhesive that has cured excessively before flooring installation must be removed, and new adhesive must be reapplied.

CLEANING

- Before the adhesive is cured, it is recommended to clean it with a clean, non-abrasive towel.
- All tools and equipment should be cleaned before material cures.
- Adhesive may be removed with a plastic scraper and dry, non-abrasive towel, taking care not to damage the finish.

IMPORTANT TIPS

- For ground-level or underground substrates, a moisture barrier must be properly installed beneath the floor slab.
- Due to the limitations of solid wood flooring and bamboo flooring (e.g., insufficient dimensional stability), installation in "underground areas" is restricted to engineered hardwood flooring only.
- Do NOT install solid wood flooring over VCT (Vinyl Composition Tile) or vinyl flooring.
- The installation of bamboo flooring should follow the installation recommendations for solid wood flooring.
- The adhesive requires atmosphere moisture to cure properly and should not be used in completely sealed or airless spaces.
- Do not apply to surfaces that are wet, dusty, contaminated, glass-smooth, or fragile.
- Do not use in areas subject to negative hydrostatic pressure.
- Wood flooring may need to acclimate to the relevant environment to prevent excessive expansion or contraction that could lead to failure of the flooring system. Additional expansion allowances may also be required. Please refer to the wood flooring manufacturer's installation guidelines.
- If the quality or moisture content of the substrate is uncertain, a moisture meter must be used to measure its moisture content. If the moisture content is too high, treatment with Bostik UltraSeal may be necessary.
- Do not expose the product to water or alcohol-based cleaners before it has fully cured.
- The adhesive must be fully cured before floor sanding. A minimum of 24 hours is required. Note that industry recommendations suggesting allowing 3 to 14 days before sanding for best results.
- Changes in temperature and humidity will affect the curing rate.

PACKAGING

600 ml sausage , 20 sausages per carton.

18kg pail, 6kg*3 bags per pail.

COVERAGE

B3: 600 -800 g/m²; B6: 700 -900 g/m²;

B11: 800-1000 g/m².

STORAGE AND SHELF LIFE

MAX 285 can be stored for 12 months in the original, unopened packaging and in a dry place at temperatures between 0°C and 30°C. Under average conditions, ordinary shipping doesn't affect product's performance.

FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheet (MSDS)

The data and recommendations in the above technical data sheet are based solely on our company's tests and do not guarantee their completeness or accuracy. Since the actual performance, shelf life, and characteristics of the product may vary depending on the specific production, application conditions, and environment of each user, it is the user's responsibility to test our products according to their intended use before formal production, and commence production only after confirming that our products meet the requirements of the intended use. This product data is based only on specific test conditions, and the above technical data sheet are for reference only. As the actual usage conditions of the product at the user's company (including the user's production processes, process control, and actual application status, etc.) are beyond our company's control, our company does not guarantee whether the product is suitable for the final specific use. Our company's products are sold in accordance with our sales contracts. Moreover, the test results we provide based on customer needs are for the user's reference only and do not constitute a guarantee or commitment by our company regarding the quality of the user's products. For more information, please contact our technical service department.

SMART HELP

Please contact your local representative

