



Revision: 03/2009

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SMX Wood Floor Adhesive

Base	MS Polymer	
Curing system	Chemical Curing	
Consistency	Paste	
Color	Light Brown	
Specific gravity	1.60	ASTM C661
Open time at 68° F and 50% RH	Approx 30 minutes	
Adjustability time at 68° F and 50% RH	Approx 30 minutes	
Set to load bearing	Minimum 24 hours	
Sanding/finishing	Minimum 24 hours	
Shear strength	> 145 psi	EN14293
Temperature resistance	-40° F to +194° F (cured)	
Durability against ageing	Good	
Total solids content	100% (solvent free)	
Application rate	Depending on the subfloor 70-80ft ² /gallon by use of the Soudal notched trowel for parquet	

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:

SMX® Wood Floor Adhesive is a solvent, and water-free universal wood floor adhesive. Suitable for bonding many types of parquet floors onto suitable indoor substrates.

Characteristics:

- Ready to use, no mixing required
- Single component
- EC-1 label: very low emissions
- Solvent free
- Contains no water
- Free of isocyanates
- Easy to apply
- Forms stable peaks once applied by a notched trowel or spreader comb
- Rapid cure and build up of final bond strength
- High final bond strength
- Remains permanently elastic
- Suitable for underfloor heating

Applications:

Suitable for indoor bonding of all types of wooden floors such as solid, stab, pre-finished, and on-end parquet, wood-plank, wood-block and laminates. For use on porous and non-porous substrates such as mosaic, anhydrite, concrete, screeds, wood, chipboard and OSB Board (large particle size chipboard), including floors with underfloor heating. Extremely suitable for bonding moisture sensitive wood onto moderately porous surfaces.

Description:

Cures by a means of a chemical reaction within the adhesive. Once fully cured (approx 24 hours at 70° F and 50% RH) an elastic and non-shrinkable adhesive layer is formed, which is resistant to moisture and heat. The adhesive has excellent adhesion to most common substrates used in the construction industry. Contains no water or solvents, minimizing the risk of deforming the parquet.

Color:

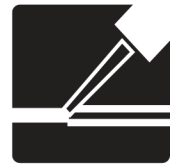
Light brown

Packaging:

2.5 and 5 gallon pails, and 1 gallon contractor friendly bags

Shelf life:

12 months in unopened packaging in a cool and dry storage place at temperatures between 41°F and 77°F



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Substrates:

Before installation of the parquet, the substrate should be checked to ensure it is suitable. Check the moisture content throughout the entire thickness of the substrate with a carbide or electric hygrometer.

The moisture content must be as recommended by the flooring manufacturer (generally maximum 2% for sand cement substrates and maximum 0.5% for anhydrite. For substrates with underfloor heating the values are respectively max 1.5% and 0.3%).

Should be applied to an even, dry, clean and smooth substrate, which is free from irregularities and cracks. Rests of old adhesives may affect the adhesion and must be removed mechanically. Loose or damaged surfaces must be repaired before the application of the adhesive.

Powdery surfaces can be treated (after consulting our technical service) with **Soudal WBPR-21 Deep Primer**. Very porous surfaces can be treated (after consulting our technical service) with **Soudal WPBR-11 Surface Primer**. Subfloors with a higher moisture content than described above can be treated (after consulting our technical service) with **Soudal EPR-31P**.

Smooth surfaces like anhydrite should be roughened and the top layer disposed of. Sanded subfloor must be vacuum cleaned with an industrial vacuum cleaner.

When installing a parquet floor on top of marble, terrazzo or ceramic tiles they must first be cleaned with caustic soda or another suitable cleaner. Once cleaned, rinse the tiles thoroughly with plenty of clean water. Ensure the floor is completely dry before application of Wood Floor Adhesive.

A preliminary compatibility test is recommended on every surface.

Parquet:

The parquet flooring must be acclimatized for several days in the area where it is to be installed. Leave the parquet in its original packaging until installation to avoid any deformation. Check the moisture content of the wood as recommended by the supplier. Allow a gap of 3/8" to 5/8" around the perimeter of the laid parquet, including any columns or structures which penetrate the floor.

Health- and Safety Recommendation:

KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. On Contact, uncured sealant could cause irritation to skin and eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel. If swallowed, do not induce vomiting, call a physician. Wood Floor Adhesive is manufactured for professional use only. Refer to Material Safety Data Sheet (MSDS) for further information.

Applying the adhesive:

Wood Floor Adhesive should be acclimatized to room temperature before installation. Apply the adhesive to the surface by means of a suitable notched Soudal trowel. Do not apply more to the surface than can be covered with parquet within 30 minutes. Slide the parquet onto the adhesive layer and tap into place or tamp down with a rubber hammer. A minimum of 80% contact coverage is required to ensure a perfect adhesion. Loading the parquet with weights will improve the final bond strength. Wait at least 24 hours before sanding and finishing the parquet. Uncured Wood Floor Adhesive may be removed from tools and parquet with Soudal adhesive cleaner. Cured adhesive must be removed mechanically.

Recommendations:

- Never install flooring on subfloors which are not protected against possible rising dampness
- Do not apply the adhesive at temperatures below 59° F or above 77° F
- Minimum temperature of the substrate should be 59° F
- Do not apply the adhesive when the relative humidity is above 75%
- Never install flooring on a substrate which contains too much moisture or on substrates with a higher humidity value than recommended by the wood supplier
- Never install flooring which is too dry - flooring can expand when the humidity rises and cause damage
- Do not install flooring if the walls and ceilings in the area are not dry (after plastering or painting, etc.)
- When bonding parquet without tongue and groove, the board has to be at least 3/8" thick
- When bonding to a wooden subfloor over underfloor heating the board should not be wider than 5"
- Insure enough nails are used (every 1 1/4" in width and every 4-6" in length)
- Do not dilute the adhesive

Limited Warranty:

SOUDAL warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, SOUDAL MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and SOUDAL shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.