

## SMX-15P Parquet Cordon Adhesive

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### Product:

SMX-15P is a high strength SMX-polymer based universal parquet adhesive. Free of solvent and water. Suitable for bonding engineered board by means of beads onto suitable indoor substrates. Can be used with or without sound dampening membrane.



### Technical Characteristics:

Base	SMX Polymer®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 5 min. (20°C/65% R.V.)
Curing Rate (*)	3-4mm/24h (20°C/65% R.V.)
Hardness	60±5 Shore A
Specific Gravity	1,84g/mL
Open Time (*)	Approx. 10 minutes
Set to load bearing	Min. 48 hours
Sanding/finishing	Min. 48 hours
Temperature Resistance (fully cured)	-40°C until +90°C
Shear Strength (DIN53504)	> 3 MPa
Elongation at break (DIN 53504)	>100%

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

### Characteristics:

- Completely neutral – minimal health and safety considerations.
- Very high bond strength.
- Free of solvents and isocyanates
- Primerless adhesion, limited surface preparation required (time saving)
- Can be used with all types of wooden flooring materials
- Can be used without subfloor in applications where floor heating is installed
- Allows applications on slightly uneven surfaces
- Can be used as acoustic insulation in conjunction with sound dampening membrane

### Application areas:

- Suitable for indoor bonding of engineered boards and ready to use parquet with tongue and groove of 15-18mm thickness and up to 180mm wide.
- Bonding of contact sound reducing parquet in conjunction with sound dampening membrane
- Direct bonding onto all types of egalized surfaces such as screed, metal sheets, subfloors, tiles, etc.
- SMX-15P is also suitable for the bonding of decorative elements made from timber or metals

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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### Packaging:

*Colour:* light brown

*Packaging:* foil bag 600mL

### Shelflife:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

### Substrates:

SMX-15P 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.

### Maximum humidity allowed:

- Up to 4% for cement based screed
- Up to 1% for anhydrite based screed
- Between 1,5% and 3% for floors with floor heating or low temperature cooling
- If the humidity exceeds 4% but not 7% **Soudal EPR-31 Epoxy Seal** (label EC-1R) is required (see TDS of this product)

### Uneven surfaces:

SMX-15P can be applied on slightly uneven surfaces as follows:

- 5mm unevenness in an area of 2m wide
- 1mm unevenness in an area of 20cm wide

### Surface Preparation

Powdery surface 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 WBPR-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 disposed of the top layer. 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 be first 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 applying the SMX-15P.

***A preliminary compatibility test is recommended on every surface.***

### Parquet:

The parquet flooring must be acclimatised 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 before installation that the moisture content of the wood is as recommended by the supplier, (generally 9% +/- 2%). If the humidity of the wood is more than 11% installation is not recommended

Allow a gap of 1 to 1,5 cm around the perimeter of the laid parquet, including any columns or structures, which penetrate the floor.

### Applying the adhesive:

Apply the adhesive with the special gun and triangular nozzle (10mm high and 8mm wide) in a continuous bead onto the surface at right angles with the parquet planks with a distance of:

- 10cm for planks with a width between 70mm and 130mm and a thickness of maximum 15mm.
- 7cm for planks with a width between 130mm and 180mm and a thickness exceeding 15mm.

Slide the parquet into the adhesive layer at right angles with the adhesive cordons and tap into place or tamp down with a rubber hammer.

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### Recommendations:

- Never install onto a substrate which contains above 4% moisture or onto substrates with a higher humidity value than recommended by the wood supplier.
- Never install to substrates, which are not protected against possible rising damp.
- Do not apply the adhesive at temperatures below 15°C or above 25°C
- Minimum temperature of the substrate should be at least 15°C.
- Install the parquet at a relative humidity between +35% and +65%.
- Never install wood which is too dry (<7% humidity). This can expand at higher humidity or when the humidity rises and cause damage.
- In applications where floor heating or cooling is installed, stop the heating 48 hours prior to application and restart 7 days after the installation of the floor.
- Do not install if the walls and ceilings of the area are not dry (e.g. after plastering or painting etc.)
- Clean tools and hands with **Soudal Swipex** cleaning wipes
- Do not dilute the adhesive.
- Ensure proper storage of the parquet and the adhesive (dry, cool, out of reach of weather influences)
- Ensure that the packaging of the parquet and the adhesive remain intact during the storage
- Do no stack more than one pallet of adhesive on top of another pallet

### Health- and Safety Recommendation:

Apply the usual industrial hygiene.  
Wear protective gloves.  
Consult the label for more information.

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