



PURLINE safety is a high quality, elastic flooring based on polyurethane in different formats and finishes. Please find more information in the technical specifications in our product collections.

Important general information:

Before starting work, make sure that the delivered product is in perfect condition. No claims can be made subsequently for cut or installed goods. As a matter of principle, we guarantee that goods in each delivery come from the same batch. For installing **PURLINE safety**, the valid national standards and guidelines, technical references and acknowledged rules of the profession apply. In Germany the following guidelines should be observed in particular:

- VOB Part C, DIN 18365 floor covering work,
- Minimum requirements for screeds DIN 18560 technical rules, in particular the following in Germany:
 - BEB data sheet: "Assessing and preparing subfloors, installing elastic and textile floor coverings"
 - DIN 18202 "Tolerances in structural engineering"
 - Plumbing – Heating – Air Conditioning Central Association data sheet: "Interface coordination for heated flooring constructions"

Note:

The floor fitter, when making his checks before installing the **PURLINE safety**, must report any concerns. Particularly in case of:

- larger uneven areas,
- cracks in the substrate,
- insufficiently dry subfloor,
- insufficiently firm, too porous or too rough substrate surface,
- contaminated substrate surface, e.g. due to oil, wax, lacquers and paint residue,
- incorrect height of the substrate surface compared to the height of adjoining structural elements,
- unsuitable substrate temperature,
- unsuitable indoor climate,
- missing heating protocol for heated flooring constructions,
- no protrusion of the edge insulation strip,
- no measuring points marked for heated flooring constructions,
- missing joint plan.

In order to smooth out uneven areas and create an evenly absorbent substrate, it is recommended to apply a suitable levelling compound of a sufficient layer thickness using rake or screed trowel technique. Please pay attention to the building material supplier's information. When gluing **PURLINE safety** on heatable constructions, besides VOB DIN 18365, the standard EN 1264-2 (Underfloor heating systems and components) should be taken into account. The surface temperature should not exceed 27°C permanently.

Acclimatisation:

PURLINE safety should be acclimatised standing upwards, with decor facing outwards, for at least 24 hours in the areas to be laid under the following conditions! All auxiliary installation materials must also be acclimatised accordingly.

Indoor climate requirements:

- Air temperature in the room > 18°C (but no more than 27°C)
- Floor temperature > 15°C (no more than 22°C)
- Relative humidity < 65%

Constant indoor conditions should be ensured during the acclimatisation process and the bonding phase of the adhesive. The above-mentioned indoor climate should be maintained at least 72 hours before, during and after gluing the floor covering.

Installation:

In order to achieve uniform colours and patterns from sheet to sheet, **PURLINE safety** has to be installed reverse. All other decors should be laid in same direction. Lay out the previously acclimatised floor covering lengthways with an overlap of approx. 2.0 cm per sheet for subsequently cutting the seams. The factory-produced edges must be cut before installation as a matter of principle. With wood decors the repeat pattern is not mandatory to consider, but there should be a minimum of 10 cm allowance in the length of each sheet to ensure an offset on the front side of the wood joint. When cutting the seam edge, care should be taken on wood decors that the cut runs directly next to the wood joint and that the wood joint is maintained on the other side. If a subsequent jointing process is planned for the floor covering, the seam should be cut directly in the wood joint. Now lay or roll out the sheet back to the middle of the room. Then apply the low-emission wet bed adhesive approved by windmüller flooring products WFP GmbH in accordance with EC1 or RAL (Blue Angle) sheet by sheet according to the adhesive manufacturer's guidelines. In rooms with high temperature fluctuations (e.g. in heating and ventilation rooms etc.) high humidity-resistant adhesives should be used.

Then apply the adhesive with the TKB serrated blade recommended for the purpose evenly and one sheet at a time according to the adhesive manufacturer's information. Allow the adhesive to evaporate according to the manufacturer's instructions. For deviating recommendations please follow our separate adhesive recommendation. Now lay the floor covering onto the semi-wet bed of adhesive. Then rub the floor covering carefully using a suitable smoothing device (e.g. surface smoother from Wolf). Note: subsequent rolling of the flooring with a segmented roller of at least 50 kg should be done promptly after the floor covering has been smoothed down. Edge areas should be smoothed down again using a suitable smoothing tool, if necessary. Now roll or lay the floor covering back from the opposite side. Avoid covering with too much adhesive. Push the floor covering into the bed of adhesive after the appropriate drying time sheet by sheet and rub/smooth down the floor covering carefully as described above.

Cutting the seams:

Cut the seam straight after installation and smoothing the floor covering with a suitable seam cutter (e.g. "Linocut") and a gap of approx. 0.3 mm and press on the seam again with a seam roller. Seams that are not being jointed later can be cut closely without buckling. Once the whole area has been installed and the seams have been cut, the surface and all edge areas should be completely rolled or smoothed again. It is generally recommended that the seam edges are thermally sealed in hygienic and damp areas. This can be carried out at the earliest 24 hours after installation or once the adhesive has fully bonded (see manufacturer's information).

Thermal jointing:

Cut PURLINE at least 2.0 mm deep and max. 3.5 mm wide along the joint. Seams in the edge areas need to be expanded to the appropriate width and depth with a suitable grooving tool. Set the welding gun to approx. 450°C. Use a 5.0 mm quick-welding nozzle with a small air slot to apply the welding rod. Trim the welding rod whilst it is still warm to half its depth with the "Mozart" trimming knife with spacing plate. Allow the remaining, surplus welding rod to cool off completely and then trim even with the surface level of the floor covering with the "Mozart" trimming knife without a spacing plate.

2 K jointing material:

Sealing the floor covering joints with 2 K joint sealing material is possible if necessary after prior consultation with the application technology department at windmüller flooring products WFP GmbH.