

weber.floor 4887

PU adhesive

2-comp. polyurethane adhesive for highly stressed floorings and wood blocks

Fields of application

For gluing homogeneous/heterogeneous PVC floorings in sheets, PVC design floorings (LVT), elastomeric floorings with polished backside in sheets.

For bonding norm-compliant mosaic parquet, on-edge upright lamella parquet ≥ 10 mm, solid wood (lam parquet with a ratio thickness - width $< 1 : 5$), strip parquet, solid-wood planks ≥ 15 mm (with a ratio thickness - width of max. $1 : 7$), multi-layer parquet, wood blocks RE (without light transport) and WE (with light transport) and also end-grain parquet.

Particularly suitable for highly stressed floorings, e.g for areas with forklift traffic and hospital beds. For fixing artificial lawn, outdoor floorings and floorings for sport facilities.

Also suitable for bonding building boards, metals, ceramics, stoneware, as well as for approved PVC design floor coverings (LVT) in bathrooms.

For use indoors and also on dry substrates outdoors.

Description

weber.floor 4887 is a factory-mixed, 2-component polyurethane and solvent-free adhesive.

Main features

- **EMICODE EC 1 PLUS**: very low emission of volatile substances
- with official approval Z-155.20-554 (Germany)
- GISCODE RU 1: solvent-free
- extremely high resistance to loads
- multi-use
- very good ridge formation
- water- and solvent-free - curing without shrinkage
- hard and shear-resistant according to ISO 17178
- watertight in case of contact with non-standing damp
- suitable on heated floor constructions

Technical values

Open time:	approx. 70 minutes
Open to foot traffic:	approx. 3 - 4 hours
Open to full service (final strength):	approx. 8 - 10 hours
Grinding:	approx. 8 - 10 hours
Welding/filling of joints:	approx. 4 hours
Temperature resistance (storage):	+5°C - +30°C
Application temperature (room air):	min. +18°C
Application temperature (substrate):	min. +15°C
Consistency:	pasty

Quality control

weber.floor 4887 is subject to a regular internal quality control.

General notes

- Comply with the national standards and/or guidelines relating to laying works of floorings. If not issued, and if necessary, request technical advice.
 - **Relative humidity rate during application and drying: 40 - 65 %; max. 75%**
 - The humidity content of wood and the room climate must be convenient for the application and match to each other. Observe the dew point table.
 - Adapt adhesive and flooring to room climate before application; the flooring must be free from tension.
 - Observe the technical data sheets of the flooring and all other used products.
 - The flash-off, open and setting times depend on the temperature (room air and substrate), relative humidity rate, substrate porosity, type of flooring and adhesive amount.
-

Special notes

- Neither install, nor move heavy furniture or objects on the new flooring, as long as the adhesive has not fully set.
 - Do not mix partial quantities.
 - Avoid high temperatures caused by solar radiation.
-

- The substrate temperature during application and drying of elastomeric floorings must be at least +18°C.
- Remove adhesive contamination in a fresh state with a suitable cleaning cloth, taking care that the adhesive will not penetrate into the joints. Rub off adhesive contamination in the cured state.
- After 2 hours roll the flooring a second time.
- If used outdoors, the substrate must be dry and without any standing water on top.
- In case of gluing approved PVC design floorings (LVT) in bathrooms, ensure that no standing water is present. The flooring is bonded on the waterproofing layer. Unevennesses due to this layer may be visible in the final covering.

Substrates

- All norm-compliant and absorbent surfaces, screwed wood-based panels and dry screeds when suitable for laying of flooring, as well as de-coupling and insulation membranes are allowed as substrates.
- All non-absorbent and dense substrates floors, such as old well-bonded ceramic tiles, natural stones, artificial concrete stones, terrazzo and metals also are allowed as substrates.

Substrate preparation

- The substrate must be load-bearing, dry, crack-free, free from adhesion-impairing layers and suitable for bonding.
- Before applying the adhesive, it is recommended to level out the substrate in order to obtain a smooth and uniformly porous substrate.
- If a thin levelling (approx. 1 - 10 mm) is required, use a **weber.floor** smoothing mortar, e.g. weber.floor 4031 or 4032.
- If a thicker levelling (approx. 1 - 30 mm) is required, use a **weber.floor** levelling compound, e.g. weber.floor 4160, 4190, 4310 or 4320.
- Well-bonding ceramic / natural stones, artificial stones or terrazzo must be carefully cleaned and matt ground.
- When gluing critical parquet types (e.g. on-edge upright lamella parquet, solid-wood planks) or critical wood species (e.g. bamboo) on underfloor heating, a stabilizing primer must be applied, e.g. the 1-comp. quick-setting PU primer weber.floor 4718 R or the EP resin primer weber.floor 4712 (EC 1 -very low emission). Scatter silica sand over the fresh epoxy primer up to saturation.
- The substrate must be checked in accordance with the standards. In case of defects, concerns must be reported in writing.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- weber.floor 4887 is supplied in 2 pre-mix twin packagings (component A = resin base and component B = hardener) with the specific mixing ratio for use. Mixing of partial quantities is not allowed.
- Empty the component A totally into the component B.
- Mix both components with a slow-speed electric drill and with an appropriate stirrer until a homogenous mixture of uniform colour is achieved.
- Care must be taken to ensure that the product is also thoroughly mixed in the corners and at the bottom of the mixing container.
- We recommend decanting into a clean container and mixing shortly again.
- Apply the adhesive in a uniform layer thickness with an appropriate notched spatula.
- We recommend to use similar notch sizes (in mm) for the specific flooring.
- Notched spatula A 1: notch width 0.50 - notch spacing 1.50 - notch height 1.10
- Notched spatula A 2: notch width 1.30 - notch spacing 1.40 - notch height 1.70
- Notched spatula B 3: notch width 3.30 - notch spacing 3.70 - notch height 3.25
- Notched spatula B 11: notch width 7.90 - notch spacing 6.10 - notch height 5.00
- Avoid spots without adhesive or with accumulation of adhesive.
- Ensure that the adhesive is wetted over the whole backside of the flooring in the form of ridges. Replace worn notched strips in good time.
- Do not apply more adhesive than can be laid with good wetting of the backside of the flooring within the open time.
- Parquet, wood blocks RE/WE and end-grain wood parquet: install a joint of approx. 10 mm between the wall and the wood flooring. Use the notched trowel B 3 or B 11 depending on the type of parquet and wood block, and condition of the substrate. Open time approx. 70 minutes. Lay in the adhesive bed within the open time and press down uniformly to achieve a complete bond. If necessary, weigh down the parquet/wood blocks/end-grain parquet during the entire curing time. Avoid glue between the joints and do not press up towards the top. Subsequent works on the parquet, wood block/end-grain parquet can be carried out after the adhesive has cured sufficiently.
- Homogeneous/heterogeneous PVC floorings in sheets, PVC design floorings (LVT), elastomeric floorings: use the notched spatula A 1 or A 2 depending on the type of flooring and condition of the substrate. Open time approx. 70 minutes. Lay the flooring into the adhesive bed without delay or within the open time and press uniformly to achieve a complete bond. After laying, the flooring must be rolled on in crosswise motions; if necessary, repeat this operation. The welding/filling of the flooring joints can only be carried out after sufficient adhesion has been achieved.
- Clean tools with a suitable thinner so long as the adhesive has not fully set. Hardened material must be removed mechanically.

Practical information

Colours:

component A: anthracite component B: light brown

Tools:

Notched spatula A 1/A 2/B 3/B 11, depending on flooring type

Storage:

The product can be stored at least 18 months in its original unopened packaging, if kept dry, protected from humidity, and at temperatures between +5°C - +30°C.

Consumption / yield

approx. 450 - 650 g/m² (floorings), depending on flooring, substate and notch size;

approx. 800 - 1.200g/m² (parquet);

approx. 1.100 g/m² (wood blocks), depending on wood block, substate and notch size

Packagings

Type	Sales unit	Number / euro-pallet
Metal bucket (kit with comp. A + comp. B)	13.4 kg	52 buckets

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.