

weber.floor 4885

Multi-use conductive adhesive

Conductive, fiber-reinforced and universal wet-set adhesive for textile and elastic floorings

Fields of application

For gluing conductive textile floorings (tufting fabric with synthetic double backside, needle fleece), conductive homogeneous/heterogeneous PVC floorings in sheets and tiles and conductive elastomer floorings with polished backside in sheets and tiles.

A conductive installation is possible with the 2 other system products: the conductive dispersion primer weber.floor 4706 and the copper conductive strip weber.floor 4918.

For use indoors.

Description

weber.floor 4885 is a factory-mixed, ready-to-use and solvent-free dispersion adhesive.

Main features

- **EMICODE EC 1 PLUS**: very low emission of volatile substances
- with official approval Z-155.20-545 (Germany)
- GISCODE D 1: solvent-free
- electrical leakage resistance of $< 3 \times 10^5$ Ohm
- quick initial grab
- very versatile
- suitable for shampooing according to RAL 991 A2
- suitable on heated floor constructions
- suitable under chair castors according to DIN EN 12 529

Technical values

Flash-off time:	approx. 5 - 20 minutes
Open time:	approx. 15 - 20 minutes
Open to foot traffic:	immediately
Open to full load (final strength):	approx. 48 hours
Welding/filling of joints:	approx. 24 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 4885 is subject to a regular internal quality control.

General notes

- Comply with the prevailing standards and/or national guidelines relating to laying works of conductive floorings. If not issued, and if necessary, request technical advice.
- **Relative humidity rate during application and drying: 40 - 65 %; max. 75%**
- 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.
- The adhesive is sensitive to frost.
- Close opened packagings tightly and use their content quickly.

Special notes

- Neither install, nor move heavy furniture or objects on the new flooring, as long as the adhesive has not fully set.
- Avoid high temperatures caused by solar radiation.
- The substrate temperature during application and drying of elastomeric floorings should be at least +18°C.
- If a conductive system is installed, it must be earthed by a professional electrician in accordance with prevailing regulations. The electrical conductivity is measured after complete setting of all applied products.
- The ohmic resistance of the adhesive is $< 3 \times 10^5$ Ohm according to EN 13415.

Substrates

All norm-compliant and absorbent surfaces 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 the **weber.floor** smoothing mortars, e.g. weber.floor 4031 or 4032.
- If a thicker levelling (approx. 1 - 30 mm) is required, use the **weber.floor** levelling compounds, e.g. weber.floor 4160, 4190, 4310 or 4320.
- The substrate must be checked in accordance with the standards. In case of defects, concerns must be reported in writing.
- Observe the instructions of the flooring manufacturer relating to the installation of an electro-conductive flooring system.
- If no instructions are given by the flooring manufacturer, the prepared and levelled floor must be completely treated full-surface with the conductive dispersion primer weber.floor 4706.
- After drying of primer, lay the copper conductive strips weber.floor 4918 in such a way, that connecting lugs are glued on the floor every 30 m², running approx. 1 m into the room.
- In all cases no point of the primed floor surface is more than 10 meters away from a conductive strip.

- These installation instructions do not apply to conductive elastomer floorings; in this case the use of the pre-said primer can be dispensed with. Follow the instructions of the manufacturer of elastomer floorings at all costs.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- Stir the adhesive well before use.
- 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 S 1: notch width 0.10 - notch spacing 1.80 - notch height 2.55
- Notched spatula S 2: notch width 0.10 - notch spacing 4.20 - notch height 3.35
- 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.
- Use the notched spatula S 1 for smooth backsides, e.g PVC floorings or elastomeric floorings in combination with the conductive dispersion primer weber.floor 4706.
- Use the notched spatula S 2 for structured backsides, e.g textile floorings.
- After sufficient flash-off time, lay the flooring into the adhesive bed and press down uniformly to achieve complete bonding.
- The flash-off time (approx. 5 - 10 minutes) depends on the bonding method, type of flooring, temperature and air humidity.
- 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 water so long as the adhesive has not fully set. Hardened material must be removed mechanically

Practical information

Colour:
light grey

Tools:
Notched spatula S 1/S 2, depending on flooring type

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry, protected from humidity, and at temperatures between +5°C and +30°C.

Consumption / yield

approx. 260 - 400 g/m², depending on flooring, substrate and notch size

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bucket	12 kg	44 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.