

Very low emission acrylic dispersion adhesives for vinyl and rubber floor coverings

PRODUCT

weberfloor 4850 VR is a very low emission, low odor, dispersion adhesive designed for laying of homogeneous and heterogeneous vinyl panels/sheets and rubber sheets. It is based on a very special type of synthetic resin with very high performance additives fine grade mineral fillers and tackifier to produce a high degree of tack.

SCOPE OF USE

weberfloor 4850 VR is used for the bonding of:

- Homogeneous and heterogeneous Vinyl sheets
- Rubber panels
- EPDM Sheets
- PVC sheets
- PU foam

ADVANTAGES

- Easy to apply
- No discoloration even in thin PVC-coatings
- Suitable for wheelchairs under coatings
- High resistance to plasticizer migration
- EMICODE ECI PLUS: very low emission
- Excellent Tack and Bonding
- Excellent Adhesion and high Strength
- Water Resistant
- Non Toxic and Non Flammable
- Antifungal

CHARACTERISTICS

Color	Light beige
Density	1.25 +/- 0.05
Consistency	creamy
PH	7-8
VOC content (ASTM D 2369-98)	17 g/Lt.
Substrate Moisture content	2%
Open time	35-45 minutes
Waiting time (depending on the tool, temperature and substrate)	5-15 minutes
Processing temperature (air)	10°C -35°C
Processing temperature (substrate)	5°C to 40°C
Set to light foot traffic	after 24 Hours
Ready for use	after 24 Hours
Full load	after 72 Hours
PEEL 90° adhesion test according to EN 1372 (N/mm):	>1 N/mm on Rubber and PVC
Peel 180° adhesion test according to ASTM D 903	>3 N/mm
Specific Gravity ASTM D 1475-98	1.25±0.05 Kg/Lt.
Solid Content ASTM D 1644-01	73±5%
Viscosity (SP6, RPM20) ASTM D 2196	60000-75000 cPs



PACKAGING

QUALITY CONTROL

weberfloor 4850 VR is subject to constant quality control through self-monitoring.

INSTRUCTIONS FOR USE

- Move away any heavy objects on the new flooring if the adhesive is not fully cured (after 72 Hours).
- Welding of the pads should be done only after reaching a sufficient adhesion, this is the case about 24 hours after insertion of the floor covering.
- Floor heating should be turned off at least 48 hours before and after the application.

SUBSTRATES

- Absorbing Concrete
- Cementitious self-leveling and smoothing compound
- Cement screed

SUBSTRATE PREPARATION

Prior to the floor covering installation, Weber highly recommends to level the substrate using weber smoothing and cementitious self-leveling products such as **weberfloor smooth FD**, **weberfloor 525 FD** or **weberfloor 535 FD**. Concrete must be crack free. Thus, any crack must be repaired prior to any application. All surfaces should be clean, dry, and free from grease, laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion.

The underlayment Moisture content should be measured before **weberfloor 4850 VR** application

- 2 tests on the first 100m²
- 1 additional test per each additional multiple of 100m².

The moisture content value must be max. 2% for cementitious substrates (Unless otherwise specified by the covering supplier or the project's specification)

Ambient relative humidity during drying should be maximum 75%.

PRODUCT APPLICATION:

The adhesive must be stirred before use and then applied and spread evenly with a toothed spatula.

For PVC, PUR or PVC foam backing apply **weberfloor 4850 VR** with A1 or A2 toothing spatula.

For rubber coating Apply with A2 toothing spatula.

Allow the product to cure for approx. 5 to 15 minutes before laying the floor covering. (depending on the tool, temperature and substrate).

PRECAUTIONS

- It is essential to ensure good contact between the floor covering and the adhesive.
- Bonding over existing floor coverings should be avoided.
- Clean any excess of adhesive using water immediately.
- Do not allow adhesive to dry, after complete dryness of the adhesive ridges, covering laying is no longer possible.
- Make sure to Avoid any holes after spreading the product.

FOLLOW-UP TREATMENT

After placing the floor covering evenly, pressing from the outside, in order to achieve a bubble-free and complete bonding. Thereafter, the surface is rubbed down for about 1-4 hours, this process must be repeated.

Clean the used tools with water, before the adhesive is completely hardened.

CONSUMPTION

3 - 6 m²/lit (Subject to the substrate porosity and absorption and tool used).

STORAGE

Material shelf life is up to 12 months if well sealed and stored between 5°C and 30°C;

Note: Once the pail is opened, the materials should not be used for no longer than 7 days.

DISCLAIMER

While the company guarantees its products against

defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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