



# weberfloor 4850 VR

High bond, acrylic dispersion adhesive for vinyl and rubber floor coverings

*Flooring*

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
16kg	16kg	16kg	16kg	16kg	16kg	16kg	16kg

## PRODUCT

**weberfloor 4850 VR** is a very 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:

- Rubber floor covering
- EPDM floor covering
- PVC floor covering
- PVC with PU foam backing
- Homogeneous and heterogeneous Vinyl floor covering

## ADVANTAGES

- Non Toxic
- Anti-fungal
- Zero solvent
- Very low odor
- Easy to spread
- High bonding

- Non Flammable
- High peel strength
- Excellent tack and bonding
- EMICODE EC1 Plus (very low emission)
- Suitable for wheelchairs under coatings
- High resistance to plasticizer migration
- No discoloration even in thin PVC-coatings

## CHARACTERISTICS

Color	White
Density	1.25 ± 0.05
Consistency	Creamy
PH	7-8
Substrate moisture content	2%
Open time	35 to 45 minutes
Waiting time (depending on the tool, temperature and substrate)	10 to 15 minutes
Processing temperature (air)	10°C to 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
Solid Content ASTM D 1644-01 (In-house lab)	80 ± 5%
PEEL 90° adhesion test according to EN 1372 (PVC)	> 1 Mpa
PEEL 90° adhesion test according to EN 1372 (Rubber)	> 1.2 Mpa
Shear strength EN 1373 (PVC)	> 0.3 Mpa
Shear strength EN 1373 (Rubber)	> 0.4 Mpa
Viscosity (SP7, RPM20) Brookfield	50000-70000 cps
Dimensional change BS EN 1903 (Vinyl)	0.11 %
Dimensional change BS EN 1903 (Rubber)	0.1%

\* **weberfloor 4850 VR** is complying with EN 14259 for Rubber and Vinyl.

## APPLICABLE STANDARDS

EN 14259 ,EN 1372, EN 1373,BS EN 1903, ASTM D 1644-01.

## INSTRUCTIONS FOR USE

- Product is ready to accept medium to heavy traffic load after at least 72 hours from application
- Welding of the pads should be done only after reaching a sufficient adhesion, minimum after 24 hours of floor covering installation
- Floor heating should be turned off at least 48 hours before and after the application.

## SUBSTRATES

- Concrete substrate
- Cementitious self-leveling
- Smoothing compounds
- Cementitious screeds

## SUBSTRATE PREPARATION

Prior to the sensitive 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**. Substrate must be crack free. Thus, any crack must be repaired prior to any application. Depending on substrate conditions, deeper ruptures and cracks must be filled with **weberfloor epopatch** (1 to 3mm) and **weberfloor epolevel** (3 to 10mm), freshly scattered with sand, to increase the bonding and create a strong mechanical key (For more details, please refer to the above-mentioned products data sheets). All surfaces should be clean, dry, and free from grease, laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion. Prior to **weberfloor 4850 VR**, the subfloor should be tested in accordance with International Standards, using a properly calibrated and insulated hygrometer. Only a reading of 75% RH or less confirms that the subfloor is satisfactorily dry and ready to accept the moisture sensitive floor covering.

## PRODUCT APPLICATION

The adhesive must be stirred well before use. For PVC, PVC or PUR foam backing, apply **weberfloor 4850 VR** using A1 or A2 toothing spatula. For rubber coating apply **weberfloor 4850 VR** using A2 toothing spatula. Conduct a small test by applying **weberfloor 4850 VR** to a section of the sub-floor and waiting for the recommended open time. Check the adhesive's tackiness by lightly touching it with your fingertip. If it feels tacky but does not transfer to your finger, it may be ready for the sensitive covering installation.

After selecting the right tools, apply and spread **weberfloor 4850 VR** uniformly and evenly on the substrate. Make sure to fully cover the floor and avoid any holes after spreading the product.

Do not lay the sensitive covering onto the adhesive before the recommended open time has elapsed. Premature installation can compromise the bond between the sensitive covering and the subfloor. The waiting time of **weberfloor 4850 VR** to lay the sensitive covering is between 10 and 15 minutes, depending on substrate and air temperature, tool, and humidity at site. It is essential to ensure good contact between the floor covering and adhesive, moreover, bonding over existing floor coverings should be avoided.

## FOLLOW-UP TREATMENT

- After placing the floor covering, exert even pressure using a floor roller to ensure maximum transfer of adhesive to the floor covering and to achieve a bubble-free adhesive and a better bonding.
- Clean the used tools with water, before the adhesive is completely hardened.

## CONSUMPTION

A1 toothing spatula: 200 to 250 g/m<sup>2</sup>

A2 toothing spatula: 250 to 350 g/m<sup>2</sup>

## 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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