

weber.floor ADR 510

Acrylic PVC floor adhesive

Technical Data Sheet
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■ Description

Solvent-free, acrylic based dispersion adhesive developed for interior PVC and linoleum floor coverings.

■ Advantages

- High adhesion
- Long working time
- Solvent-free
- Resistant to changes in temperature
- Easy to apply

■ Application areas

Used for bonding PVC based homogenous and heterogenous tiles and floor coverings, linoleum floor coverings and rubber tiles and floor coverings.



■ Application substrates

- Interior floors;
- Levelled concrete floors,
 - Prefabricated concrete,
 - Cement based screed,

Please consult us for all other application substrates.

■ Preparation of substrates

- The substrate should be cleaned from oil and dust, levelled and absorbent.
- The substrate should be durable, loose parts should be removed; defects on the substrate should be repaired using **weber.rep** repair mortars at least 24 hours before the application of **weber.floor ADR 510**; for rapid application, **weber.rep HKS** should be used instead.
- Uneven floors should be smoothed using **weber.floor LVL** series self-levelling screeds.

■ Application conditions

- Ambient temperature between +15°C and +30°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- **weber.floor ADR 510** should be mixed before use.
- Pour **weber.floor ADR 510** onto the substrate and apply the adhesive evenly using a suitable v-notch trowel.
- Flooring material should be laid down on the floor after 20-25 minutes of waiting time.
- Pressurise the flooring material right after laying down to make sure the whole surface contacts with the adhesive and air gaps removed.

■ Application tools

V-notch trowel

■ Consumption

Between 250-300 g/m² (depending on trowel notch size, flooring material and substrate condition)

■ Points of attention

- **weber.floor ADR 510** is ready to use, do not add any foreign materials.
- Flooring material should be bonded on the floor after 20-25 minutes of curing time.
- For floor heating, the heating system should be turned off 10 days before flooring and remain off during the application. The heating system can be turned on again 72 hours after the application.
- Ambient temperature should be between +15°C and +30°C.
- Welding process of flooring joints should be started at least 24 hours after the bonding application.
- Drying time of the adhesive increases in low temperature and high humidity; decreases in high temperature and low humidity.
- Working time and dry time of the adhesive depend on the substrate temperature and absorbance.
- After the application, wash all equipment used before drying with warm water.

■ Technical specifications

PRODUCT	weber.floor ADR 510
Product structure	Semi fluid liquid
Colour	Grey
Density	1,35 0,05 kg/l
PERFORMANCE	Tested according to DIN EN 14259
Shear strength (EN 1373)	$\geq 0,3$ N/mm ²
Peel strength (EN 1372)	$\geq 1,0$ N/mm ²
Dimensional change (EN 1903)	% $\leq 0,2$
Temperature resistance	+70°C (floor heating systems)
APPLICATION	
Curing time	20-25 minutes
Working time	40-60 minutes
Set to traffic	24-48 hours
Final drying	3-4 days
Application temperature	Between +15°C and +30°C

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

■ Storage

Packaging	20 kg plastic drum
Colour	Grey
Shelf life	<ul style="list-style-type: none">• 12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10°C and +35°C.• Packages should be kept tightly closed when not in use.• Packages should be protected against frost.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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