

High-performance, fibre-modified, self-smoothing, self-levelling renovation screed (up to 50 mm)

weber.floor flex

with Weber Low Dust Technology



About this product

weber.floor flex is a high-performance, fibre-modified, cement-based, self-smoothing, self-levelling, rapid-setting floor screed with low dust technology.

It is used for correcting surface irregularities on difficult surfaces, including wood, in interior situations.

Technical data

	28 days
Adhesion on wood	>1.0 N/mm ²
Flexural Strength	5 N/mm ²
Compressive strength	25 N/mm ²
Working time (pot life)	20 minutes
Self-smoothing open time	Approx. 15 minutes
Application thickness	Up to 50 mm
Water demand	5.25 litres/25 kg (21%)
Delay for light foot traffic	2 – 4 hours
Drying time before applying a covering	
Ceramic tiles	8 – 12 hours at 5 mm thick
Carpet, plastic or wood	24 hours at 5 mm thick

Note: The times quoted refer to +20°C and are longer at lower temperatures and shorter at higher temperatures. Strength values were obtained under laboratory conditions and may be significantly modified under site conditions.

Uses

For levelling:

- Cement screeds, concrete slabs and pre-cast elements
- Floors with under-floor heating or under tile warming
- Wooden flooring (plywood and particle board panels)
- Existing ceramic and rigid plastic tiles
- Floating floors

Suitable for covering with:

- Tiling
- Flexible floor coverings
- Parquet flooring
- Certain floor paints

In situations that will be very humid, such as bathrooms, **weber.sys protect** tanking system may be applied over **weber.floor flex**.

Constraints

Not suitable for:
 exterior use
 floors with rising damp
 industrial areas
 as a wearing surface

Features and benefits

- ▲ Low dust
- ▲ Excellent levelling properties
- ▲ Can be built up to 50 mm
- ▲ Rapid setting (light foot traffic after 2 – 4 hours)
- ▲ Improved bond to difficult substrates
- ▲ Flexibility to absorb limited movement, e.g. under-floor heating and wood
- ▲ Fibre-modified for increased resilience



weber.floor flex

Preparation

Switch off any under-floor heating systems at least 24 hours before application.

Substrates should be completely dry, hard, rigid and clean. Remove any traces of paint, plaster or laitance or other unsound materials. Thoroughly remove all traces of dust by vacuuming. Fill any large deep holes and allow to dry. Localised holes, up to a total thickness of 50 mm can be filled with **weber.floor flex**.

Timber should be rigid and strong enough to support the expected load with minimum deflection, normally at least 18 mm thick of a flooring grade and ventilated beneath. Screw wood panels to joists at least every 200 – 300 mm to prevent movement and ensure that every board edge is adequately supported by its adjacent board or joists and noggins. Ensure that all joints and cavities in the substrate are protected to prevent leakage.

Priming with **weber PR360** is recommended to improve adhesion, reduce air bubbles, improve the flow of the screed and prevent de-watering.

weber.floor 4945 fibre mesh should be used to reinforce **weber.floor flex** in critical areas. The mesh should be fixed to the substrate to prevent it floating to the surface during the application of the screed.

Mixing

Do not mix if the temperature is outside of the range +5°C to +30°C.

Thoroughly mix with 5.25 litres of water per 25 kg bag using a slow speed electric mixer (500 rpm) for at least two minutes until a fluid, homogenous paste is obtained.

Allow to stand for 2 minutes and use within approximately 20 minutes. At higher temperatures this time will be reduced.

Application

Pour the mix onto the floor and spread evenly with a steel trowel, spatula or spiked roller. Do not apply at thicknesses above 50 mm. The product will self-smooth and most trowel marks will disappear.

The minimum application thickness for wooden substrates is 10 mm.

At 15 – 20°C **weber.floor flex** will have set sufficiently hard in 2 – 4 hours to withstand light foot traffic. Laying of the floor covering can then commence within 24 hours. At lower temperatures and at thicknesses over 5 mm, these times are extended.

weber.floor flex is not intended as a wearing surface so the final finishing layer should be applied as soon as possible after drying has completed. If it is to be left for prolonged periods of time the surface should be suitably protected.

Allow for suitable expansion or control joints in screeds or slabs, by following them through the new topping.

Packaging

weber.floor flex is packed in 25 kg polythene-lined paper sacks.

Coverage

Approximately 1.7 kg/m²/mm of thickness.

Accessories

weber PR360	approx. 0.2 kg/m ²
weber.floor 4945 fibre mesh	100 m ² /roll

Storage and shelf life

When stored unopened in a cool, dry place at temperatures above 5°C, shelf life is 6 months from date of manufacture.

Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical helpline

Tel: 01525 722100
Fax: 01525 718988
e-mail solutions@netweber.co.uk

Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

England and Wales

Tel: 01525 722100
Fax: 01525 718988
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Health and safety

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

For further information, please request the Material Safety Data Sheet for this product.

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.