

weberfloor flex

Flexible fibre reinforced floor screed

- Excellent self-smoothing
- Ideal for renovation before tiling
- Suitable for wooden and heated floors

About this product

weberfloor flex is a high-performance, fibre-modified, cement-based, self-smoothing, rapid-setting floor screed with low dust technology. The product is formulated from special cements, aggregates and chemical admixtures.

weberfloor flex is for use in residential and commercial areas, correcting surface irregularities on difficult surfaces, including wood, in interior situations, ideal for rapid completion of tiling projects.

Features and benefits

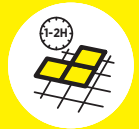
- Weber Low Dust Technology™ improves comfort of applicators
- Excellent levelling properties
- Can be built up to 50mm
- Rapid setting (tile on after 1 – 2 hours)
- Improved bond to difficult substrates
- Flexibility to absorb limited movement, e.g. under-floor heating and wood
- Fibre-modified for increased resilience



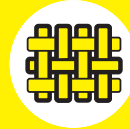
LOW DUST TECHNOLOGY



FLEXIBLE



TILE AFTER



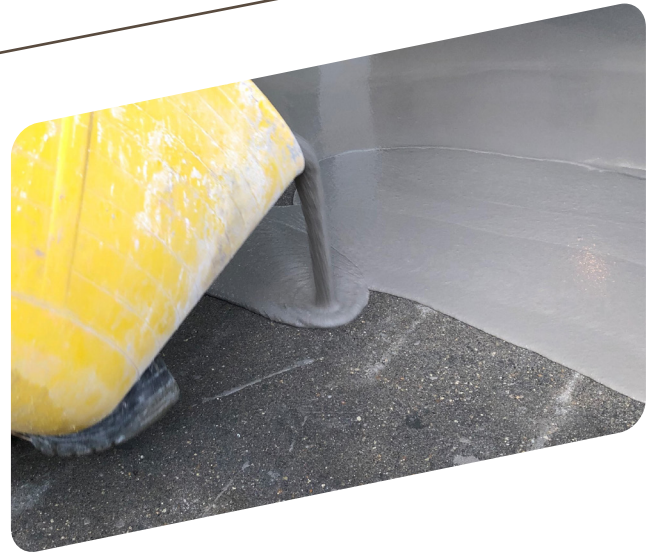
REINFORCING FIBRES



APPLICATION DEPTH



ADD WATER



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
- Bitumen residue*

* Best practice is to remove all bitumen prior to application

Suitable for covering with:

- Tiles
- Flexible floor coverings
- Parquet flooring

Constraints

Not suitable for

- Exterior use
- Floors with rising damp
- Industrial areas
- As a wearing surface

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

A thin layer of **weberfloor level** can be used on top of **weberfloor flex** prior to the application of flexible floor coverings. Please see relevant datasheets for more details.

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 50mm can be filled with **weberfloor flex**.

Timber should be rigid and strong enough to support the expected load with minimum deflection, normally at least 18mm thick of a flooring grade and ventilated beneath.

Screw wood panels to joists at least every 200-300mm 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.

weberfloor 4945 fibre mesh should be used to reinforce **weberfloor 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.

In addition to solid bonded substrates, **weberfloor flex** has successfully shown to be suitable when applied to bitumen residues (after the removal of the bitumen). Prior to applying **weberfloor flex**, ensure that the bitumen residue is old, well established and clean. Priming with **weber PR360** at 4:1 primer/water is essential before application to a surface with bitumen residue. A minimum depth of 10mm of **weberfloor flex** is recommended.

Mixing

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

Thoroughly mix with 5 litres of water per 25kg bag using a slow speed electric mixer (250 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 50mm. The product will self-smooth and most trowel marks will disappear.

The minimum application thickness for stabilising wooden substrates is 10mm.

weberfloor 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.

Overlay

weberfloor flex is compatible with Weber floor tile adhesives and thin topping screeds. **weberfloor flex** is ready to receive a tiled covering after 1-2 hours.

In small residential areas it can be covered directly with a flexible floor covering such as carpet but a thin layer of **weberfloor level** is always recommended.

weberfloor flex is ready to receive Weber thin screeds after 1-2 hours (in normal conditions). However the drying time of 24 hours at 5mm thick must be observed before the final floor covering can be applied.

It should not be painted or used without a floor finish.

Drying time

weberfloor flex can receive tiles after a drying time of 1 - 2 hours at an ambient temperature of +20°C. If necessary, the surface can be ground after 2 days following application.

High humidity of the substrate, ambient temperature and thickness of **weberfloor flex** will have an impact on exact drying times

Packaging

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

Coverage

weberfloor flex approximately 1.7 kg/m²/mm

Accessories -

weber PR360 primer approximately 0.2kg/m²

weberfloor 4945 fibre mesh 100m²/roll

Storage and shelf-life

When stored unopened in a cool, dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

Health and safety

Please see latest material safety datasheet via our website for information.

Technical data

Application temperature	+5°C to +30°C
Minimum substrate strength	1N/mm ²
Minimum thickness (under tile warming)	>3mm over the heating wires
Minimum thickness (underfloor heating)	>15mm over the heating pipes
Minimum thickness (over slip membrane, solid substrate)	20mm
Minimum thickness (floating floor i.e. insulation board)	25mm (with weberfloor 4945 fibre mesh)
Minimum thickness (over wood)	10mm
Maximum thickness	50mm
Water demand	5 litres/25kg (20%)
Compressive strength	C 25
Flexural strength	F 5
Approx. material consumption	1.7kg/m ² /mm
Hardening time before light foot traffic	1-2 hours**
Drying time before tiling	1-2 hours**
Drying time before covering with carpet, plastic or wood	24 hours at 5mm thick**
Working time (pot life)	20 minutes

**Setting times are quoted at 20°C and are humidity dependent

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