

# weberfloor 4150

## fine flow

Self-smoothing thin topping screed

- \* Domestic & Commercial areas
- \* Suitable for solid bonded substrates
- \* Ideal for receiving Vinyl, Linoleum & Carpet

### About this product

**weberfloor 4150 fine flow** is a pump or hand applied, self-smoothing thin topping screed for floors, which gives a strong surface layer for early floor covering. The product is formulated from special cements, aggregates, supplementary binders and chemical admixtures.

**weberfloor 4150 fine flow** is designed for use in residential and commercial areas allowing a much earlier overlay compared to traditional sand/ cement, concrete or anhydrite screeds. It provides a smooth and strong finish ideal for receiving a range of final floor coverings.

### Features and benefits

- For application depths between 2-30mm
- Pump or hand applied
- Foot traffic after 2-4 hours
- Final floor covering installed after 1-3 weeks in normal conditions
- Excellent spreading and smoothing characteristics
- Low alkalinity
- Casein-free
- Low emissions

### Uses

#### For levelling solid bonded substrates:

- Concrete
- Sand/ cement screeds
- Anhydrite screeds
- Final wearing layer for **weberfloor** base or renovation screeds

#### Suitable for covering with:

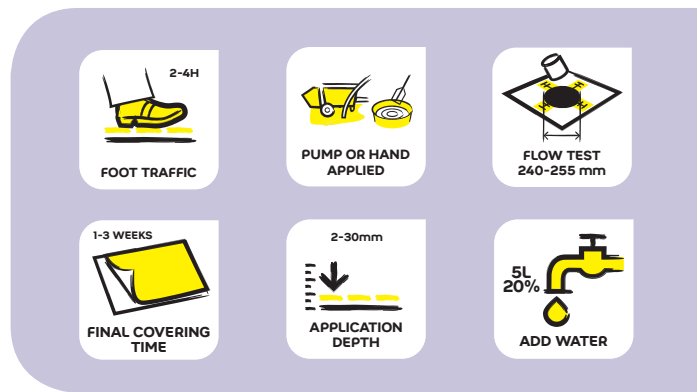
- Vinyl/ Linoleum
- Carpet
- Laminate flooring
- Parquet flooring
- Tiles

#### Constraints:

- Not to be left without a suitable floor covering.
- Not to be used where some movement is expected (e.g. underfloor heating).

For these substrates the floor can be levelled with **weberfloor 4310 fibre flow** or **weberfloor 4320 fibre flow rapid**, prior to receiving **weberfloor 4150 fine flow**.

Please see relevant datasheets for more details.



### Technical data

Application temperature	+10°C to +25°C
Minimum substrate strength	1N/mm <sup>2</sup>
Minimum thickness	2mm
Maximum thickness	30mm
Water demand	5 litres/ 25kg (20%)
Compressive strength	C 25
Flexural strength	F 6
Shrinkage (28 days)	< 0.05%
Weber Flow Rate	240 – 255mm
Approx. material consumption	1.7kg/ m <sup>2</sup> / mm
Hardening time (before foot traffic)	2-4 hours in normal conditions
Hardening time (before final covering)	1-3 weeks depending on layer thickness and drying conditions
Pot life	20 min (after adding water)
Wear resistance (RWA Class)	RWFC 450

## Preparation

The surface strength of the substrate must be greater than 1N/mm<sup>2</sup>

It is essential the substrate is suitably prepared and primed with **weberfloor 4716 primer** prior to installing the Weber floor screed.

The substrate should be clean, free from dust, grease and other impurities that might prevent adhesion.

Walls and any upstands (pillars, columns etc) should be isolated with 10 x 100mm foam.

Large irregularities in the substrate (>30m) should be filled in with a application of **weberfloor 4360 base flow rapid**, this should be allowed to harden and then primed before application of **weberfloor 4150 fine flow** can begin.

Holes and leaks in the substrate should be sealed. The substrate should be vacuum cleaned, prepared and primed with **weberfloor 4716 primer** according to the instructions on the data sheet.

Priming improves the screed's adhesion to the substrate and prevents the formation of air bubbles and de-watering of the screed. Priming also improves the flow properties of the screed. Dry and very porous substrates (cast-in-situ concrete floors) may need to be treated twice. If the screed is applied in more than one layer, each layer must be primed.

## Mixing

**weberfloor 4150 fine flow** is mixed with clean water using an automatic screed mixer approved by Weber.

The material is mixed with 20% water, which corresponds to 5.0 litres per 25kg bag. It is important to add only the specified amount of water as excess water will reduce strength, increase shrinkage and encourage segregation. Whilst mixing, the water content should be checked continuously by the flow ring test to ensure that the material is correctly mixed and free from separation and lumps of powder. The flow rate should be between 240-255mm. Conversely, reduced water content increases viscosity. The temperature of the mix should ideally be between +15°C and +20°C.

For manual mixing thoroughly mix with using a slow speed electric mixer (500 rpm) for at least two minutes. Allow to stand for 2 minutes.

## Application

Light ventilation in the working area is necessary but windows and door openings must be closed sufficiently to avoid draughts during and for 3 days after application.

During application, and for at least 1 week afterwards, the substrate and ambient temperature should not fall below +10°C or rise above +25°C. The relative humidity of the substrate must be <95%.

To achieve the best finish, the floor area should be divided into bays of 6 to 8 metres depending on pump capacity and application thickness. **weberfloor 4965 barrier foam** should be used to form bays and stop ends. Pumping is carried out in sections so that a new section is pumped as quickly as possible and to maintain a wet edge. A wide serrated spatula or spike roller should be used to assist the self-levelling process.

## Overlay

**weberfloor 4150 fine flow** is compatible with most common floor finishes and adhesives.

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

## Drying time

The screed can receive foot traffic after a drying time of 2 - 4 hours at an ambient temperature of +20°C. If necessary, the surface can be ground after 2 days following application. Floor covering can be installed after 1 - 3 weeks depending on layer thickness and drying conditions. High humidity of the substrate and poor drying conditions prolong the setting time.

## Packaging

**weberfloor 4150 fine flow** is packed in 25kg polythene-lined paper sacks

## 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.

Poor storage conditions may have an adverse impact on the levelling properties.

## 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.

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