

*A fibre reinforced self-levelling, fast setting, rapid drying floor screed*

## weberfloor 4320 fibre flow rapid



### About this product

**weberfloor 4320 fibre flow rapid** is a fibre reinforced self-levelling, fast setting, rapid drying floor screed formulated from special cements, aggregate, supplementary binders and chemical admixtures. It is supplied as a pre-blended dry powder designed for application as a bonded screed at thicknesses of 5 – 50 mm when pump applied. For special applications further information is available from the Technical Services team at **Weber**.

**weberfloor 4320 fibre flow rapid** is designed for the refurbishment of a wide range of existing floor surfaces where speed of application and drying is essential. It will give a finished surface ready for final covering and is suitable for use in commercial and retail operations, hospitals, food preparation and storage areas as a bonded, unbonded or floating floor. **weberfloor 4320 fibre flow rapid** is casein and protein-free and resistant to alkaline moisture.

### Technical data

Application temperature	+10°C to +25°C
Maximum thickness	50 mm
Minimum thickness	5 mm (minimum thickness floating 25 mm)
Water demand	5.0 litres/25 kg (20%)
Compressive strength class	C30
Flexural strength class	F7
Shrinkage (28 days)	< 0.05%
Flow rate according to (Weber standard 68mmx35mm ring)	220 – 235 mm
Hardening time (before foot traffic)	1 – 3 hours
Pot life	15 – 20 minutes (after adding water)
Wear resistance (steel wheel class)	RWFC 250 (thickness 4 – 50 mm)
Material consumption	1 mm = 1.75 kg/m <sup>2</sup> 5 mm = 8.75 kg/m <sup>2</sup> 10 mm = 17.50 kg/m <sup>2</sup>

### Uses

**weberfloor 4320 fibre flow rapid** is designed for use on:

- Concrete
- Wood and chipboard flooring
- Gypsum board, stone/ceramics
- Lightweight concrete (6 – 20 mm)
- Homogenous PVC floors
- Thermal insulation
- Sound reduction matting

### Features and benefits

- ▲ Fast setting and rapid drying – foot traffic after 1 – 3 hours
- ▲ Low alkalinity
- ▲ Recyclable raw materials
- ▲ Low emissions
- ▲ Casein-free

# weberfloor 4320 fibre flow rapid

## Preparation

### Substrate

**weberfloor 4320 fibre flow rapid** is designed for use on concrete substrates; wood and chipboard flooring, gypsum board, stone/ceramics, lightweight concrete and homogenous PVC floors. The substrate should have a surface tensile strength of at least 1 N/mm<sup>2</sup> (pull of strength). **weberfloor 4320 fibre flow rapid** can also be used floating or unbonded, refer to **Weber** for advice.

### Preparation and priming

The substrate should be clean, free from dust, grease and any other impurities that may prevent adhesion. Holes and leaks in the substrate should be sealed. The surface strength of the substrate should be >1.0 MPa. Floor drains etc should be protected with lids and separated with stop ends. The surface should be vacuum cleaned and primed with **weberfloor 4716 primer** according to the instructions on the data sheet. After application and whilst the primer is still fresh, it should be lightly brushed to ensure a complete uniform film has been applied. The function of the primer is to improve adhesion to the substrate, to prevent air bubbles and to prevent de-watering of the floor compound before hardening.

## Mixing

**weberfloor 4320 fibre flow rapid** can be applied using a mixer pump approved by **Weber**. The material is mixed with 20% water, which corresponds to 5.0 litres per 25 kg 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. Conversely reduced water content increases viscosity. The temperature of the mix should ideally be between +15°C and +20°C.

## Application

Light ventilation in the work area is necessary but windows and openings must be closed to avoid draughts during and after application. The maximum width of the pumpable area varies from 6 – 8 metres depending on the pump capacity and application thickness. Wider areas can be temporarily divided with stop-ends.

Pumping is carried out in sections so that each new section is pumped as quickly as possible and to maintain a wet edge. A wide steel trowel is used to assist the self levelling process. When **weberfloor 4945 glass fibre mesh** is used, the minimum layer thickness is 10 mm. **weberfloor 4320 fibre flow rapid** must be covered with a floor finish such as ceramic tiles, carpet, vinyl sheet and tiles, linoleum, ceramic tiles, wood blocks or cork.

The screed can receive foot traffic after a drying time of 1 – 3 hours at an ambient temperature of +20°C; the floor covering can be installed after 3 days depending on the layer thickness and drying conditions. High humidity of the substrate and poor drying conditions prolong the setting time. For moisture sensitive coverings, e.g. wooden floors, the manufacturer's instructions should be followed. When the application of the covering is delayed **weberfloor 4320 fibre flow rapid** should be treated with a curing agent.

## Packaging

**weberfloor 4320 fibre flow rapid** is packed in 25 kg bags on plastic wrapped pallet.

## 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

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.**

## 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: 08703 330 070  
e-mail: [technical@netweber.co.uk](mailto:technical@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.

### UK and Ireland

Tel: 08703 330 070  
Fax: 0800 014 2995  
e-mail: [sales@netweber.co.uk](mailto:sales@netweber.co.uk)

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