

*A pumpable, self-levelling floor screed*

# weberfloor 4160 fine flow rapid



## About this product

**weberfloor 4160 fine flow rapid** is a pumpable, self-levelling screed for floors, which gives a strong surface layer for early floor covering. It is formulated from aluminous cement, sand, additional binders and chemical admixtures. The product is rapid drying and allows early floor covering.

**weberfloor 4160 fine flow rapid** is slag and casein-free (grain size: <1 mm) and is self-levelling and stable in humid conditions.

**weberfloor 4160 fine flow rapid** is designed for use in domestic and commercial areas on a wide range of floor surfaces, where speed of application and drying is essential and where high surface strength and early floor covering is required. The material is suitable for use with automatic mixing pumps as well as manually by hand.

## Technical data

Application temperature	+10°C to +25°C
Maximum thickness	30 mm
Minimum thickness	2 mm (6 mm on lightweight concrete)
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 68x35mm ring)	240 – 255 mm
Hardening time (before foot traffic)	1 – 3 hours
Pot life	15 – 20 minutes (after adding water)
Wear resistance (steel wheel class)	RWFC 450 (thickness 2 – 30 mm)
Material Consumption	1 mm = 1.65 kg/m <sup>2</sup> 5 mm = 8.75 kg/m <sup>2</sup> 10 mm = 16.50 kg/m <sup>2</sup>

## Uses

**weberfloor 4160 fine flow rapid** is designed for use on:

- Concrete
- Wood and chipboard flooring
- Gypsum board, stone/ceramics

## Features and benefits

- ▲ Rapid set- foot traffic after 1 – 3 hours and floor covering installed after 24 hours (depending upon thickness and drying conditions)
- ▲ Slag and casein free
- ▲ Stable in humid conditions

# weberfloor 4160 fine flow rapid

## Preparation

### Substrate

**weberfloor 4160 fine flow rapid** is designed primarily for use on concrete substrates as well as for existing floors, including wood and chipboard flooring, gypsum board, stone/ceramics. The substrate should have a surface tensile strength of at least 1 N/mm<sup>2</sup> (pull-off strength).

### Preparation and priming

The substrate should be clean, free from dust, grease and other impurities that may prevent adhesion. Holes and leaks in the substrate should be sealed. Floors and drains etc should be protected with lids and separated with stop ends. Large irregularities (>30 mm) should be filled and should be left to set before the next application.

The surface should be mechanically prepared, vacuum cleaned and primed using **weberfloor 4716 primer** according to the instructions on the datasheet. After application, and whilst the primer is still fresh, it should be lightly brushed to ensure a complete uniform film. 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 4160 fine flow rapid** should be applied using a mixer pump approved by **Weber**. The material is mixed with 20% water, which corresponds to approx 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 spatula or spiked roller should be used to assist the self-levelling process.

## Packaging

**weberfloor 4160 fine 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  
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