

**High-performance, self-smoothing  
floor levelling compound  
(1 – 10 mm)**

# weber.niv floor

**nivdur S**



## About this product

**weber.niv floor** is a high-performance, cement-based, self-smoothing, rapid-drying, levelling compound. It is used for correcting surface irregularities on difficult surfaces in dry interior situations.

## Technical data

Adhesion on concrete	>1.5 N/mm <sup>2</sup>
Tensile/flexural strength	6.5 N/mm <sup>2</sup>
Compressive strength	35 N/mm <sup>2</sup>
Dynamic modulus	15 kN/mm <sup>2</sup>
Particle size	up to 0.5 mm
Working time (pot life)	15 to 30 minutes
Self-smoothing open time	15 minutes
Application thickness (light traffic)	1 to 10 mm
(medium traffic)	3 to 10 mm
Delay for light foot traffic	2 to 3 hours
Delay before sanding (if required)	2 to 8 hours
Drying time before applying a covering:	
ceramic tiles	4 to 6 hours
textile, plastic or wood	12 to 24 hours
floor paints	72 hours, minimum

Note: The figures 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

### New work

- Cement screeds
- Concrete slabs
- Pre-cast concrete floors
- Underfloor heating or under tile warming

### Renovation

- Existing tiling
- Rigid plastic tiles
- Existing paints (epoxy, polyurethane, acrylic)

### Suitable for covering with:

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

**weber.niv floor** is compatible with the adhesives used with the coverings listed above.

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

### Constraints

Do not use:  
 on permanently damp floors or floors with rising damp  
 on friable or unstable floors  
 in industrial areas  
 on exterior floors

## Features and benefits

- ▲ Manufactured under BSI Quality Assurance Scheme ISO 9001
- ▲ Rapid drying (may be covered after 4 to 6 hours)
- ▲ Can be built up to 10 mm in depth
- ▲ Used for difficult substrates
- ▲ Flexibility to absorb limited movement, e.g. underfloor heating
- ▲ Excellent spreading characteristics
- ▲ Provides a very smooth finish
- ▲ Can be pump fed for large areas as a special application by contractors approved by **Weber**

# weber.niv floor

## 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, laitance or other unsound materials. Thoroughly remove all traces of dust by vacuuming or sweeping. Fill in any localised deep holes and allow to dry before applying the levelling compound.

Holes up to 25 mm deep can be filled with **weber.niv floor** bulked out with 0 to 4 mm sand (2 volumes **weber.niv floor** to 1 volume of sand). Allow to harden.

Priming is recommended to improve adhesion, reduce air bubbles and prevent suction from the substrate de-watering the leveller. It may not be necessary for medium porosity substrates but all others must be primed and the primer allowed to dry before applying **weber.niv floor**.

Very porous or slightly porous surfaces should be primed with **weber PR360** and allowed to dry for 1 to 4 hours. Anhydrite screeds must be primed with **weber PR360**. Completely impervious surfaces should be primed with **weber PR301** and allowed to dry for 2 to 3 hours.

## Mixing

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

Thoroughly mix 5.5 to 6 litres of water per 25 kg bag using a slow speed electric mixer (500 rpm) for at least one minute until a fluid, homogenous paste is obtained.

Care should be taken not to over-water.

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

## Application

Pour the mixed **weber.niv floor** onto the floor. It is self-smoothing but the thickness may need to be adjusted with a straight edge or float.

Use a spiked roller or float to ensure that any pores are filled and release trapped air. The minimum application thickness is 1 mm (3 mm in heavier traffic areas and under tiling). If a second coat is required, apply it as soon as the first coat has hardened.

If more than 24 hours have passed between layers, prime the first layer with **weber PR360**.

**weber.niv floor** 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 a prolonged period of time the surface should be suitably protected.

### Allowance for movement

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

## Accessories

**weber PR301:** approximately 0.2 kg/m<sup>2</sup>.  
**weber PR360:** approximately 0.2 kg/m<sup>2</sup>.

## Packaging

**weber.niv floor** is packed in 25 kg polythene lined paper sacks.

## Coverage

Coverage is approximately 1.5 kg/m<sup>2</sup>/mm.

## 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: (01525) 722137  
Fax: (01525) 718988

## Sales enquiries

**Weber** products are distributed throughout the UK through selected stockists and distributors. For UK sales enquiries and overseas projects, contact **Weber's** Sales office.

### Sales office

Tel: (01525) 722100  
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