

## weber.floor 4045

### Non-sag levelling mortar

#### Trowel-grade cement-based levelling mortar for thicknesses 1 - 50 mm (CT-C30-F7)

##### Fields of application

As bonded levelling mortar for a wide range of floor substrates via manual application. Can be used in a non-sag consistency on vertical surfaces or inclined surfaces to fill breakouts, recesses, unevennesses, to form slopes, ramps, soffits and to level out stairs and pedestals. Also as scratch layer for wooden substrates, when mixed with the bonding promoter weber.floor 4705. It forms an even, smooth and load-bearing substrate for all common floor coverings. For use indoors.

##### Description

weber.floor 4045 is a factory-mixed, cement-based, polymer-modified levelling mortar.

##### Main features

- **EMICODE EC 1 PLUS**: very low emission of volatile substances
- CE marking: CT – C30 – F7 (EN 13813)
- variable consistency: non-sag or very well modellable
- early open to foot traffic
- early ready for overlay with floorings
- suitable for heated floor constructions
- resistant under chair castors (in accordance with EN 12529) when used in a layer thickness  $\geq 2$  mm under floorings

---

## Technical values

---

Water demand:	20% - < 22%
Compressive strength (28 days):	> 30 N/mm <sup>2</sup>
Flexural strength (28 days):	> 7 N/mm <sup>2</sup>
Pot life:	> 15 - < 20 minutes at +20°C and 65% relative humidity rate
Application temperature (air):	≥ +10°C - ≤ +30°C
Application temperature (substrate):	+10°C - +25°C
Reaction to fire:	class A 1 fl (EN 13501-1)
Layer thickness:	1 - 50 mm
Consistency:	non-sag and modellable
Open to foot traffic:	approx. 1 hour
Open to light load:	approx. 2 hours
Open to full load	up to 12 hours
CE marking:	CT - C30 - F7 (EN 13813)

---

## Quality control

---

weber.floor 4045 is subject to a regular quality control by self-monitoring according to EN 13813.

---

## General notes

---

- Comply with the standards and/or national guidelines relating to levelling works of floors. If not issued, and if necessary, request technical advice.
- Assess the levelling requirements beforehand.
- High temperatures shorten, lower temperatures extend the pot life.
- For application on floating constructions and heated screeds, all walls and upstands (pillars, columns etc.) within the floor should be separated from the floor construction with a 8-mm thick insulation foam strip; it must reach downwards from the substrate up to the upper edge of the final covering.
- The final surface must receive a covering, and is not allowed to be left without.
- In case of doubt regarding application, substrate or special structural features, request technical advice.

---

## Special notes

---

- Limits of use: do not use outdoors, on mastic asphalt, timber planks, chipboards and on floating constructions (on separating membrane or on insulation boards).
  - Do not add any foreign substances during mixing and application.
- 

## Substrates

---

Concrete, cement screeds, calcium sulphate screeds, magnesia screeds, ceramic tiles, masonry are allowed substrates.

---

## Substrate preparation

---

- The substrate must be load-bearing, dimensionally stable, dry, and free of dust and all adhesion-impairing substances.
- Its pull-off strength must be  $\geq 1 \text{ N/mm}^2$ .
- Use the specific primer in accordance with the prevailing substrate: either the acrylic bonding primer weber.floor 4716, the bonding primer weber.floor 4705 mixed with the non-sag levelling mortar weber.floor 4045 (1 - 50 mm) or the epoxy resin primer weber.floor 4710 or 4712 (EC 1 - very low emission); oven-dried silica sand should be scattered on the epoxy primer for purpose of adhesion with subsequent products.
- Concrete and bonded cement screeds: use the primer weber.floor 4716 diluted with water in a ratio of 1 : 3. Apply with a soft broom.
- Calcium sulphate screeds: use the primer weber.floor 4716 diluted with water in a ratio of 1 : 1. Apply with a soft broom.
- Magnesia screed: use the epoxy resin primer weber.floor 4710 or weber.floor 4712 (EC 1) Apply crosswise with a roller and scatter the oven-dried silica sand weber.floor 4936 (0.3 - 0.8 mm), whilst the resin coat is fresh.
- Old ceramic tiles: they must be clean and grinded with rough sandpaper or by mechanical means; either apply the primer weber.floor 4716 diluted with water in a ratio of 1 : 1 (application with soft broom) or a scratch layer of weber.floor 4705 mixed with the levelling mortar weber.floor 4045 in a ratio of 1 : 1 (application with flat trowel).
- In case of capillary rising damp or water vapor pressure through the substrate, apply 2 coats of epoxy resin primer as vapour-barrier, e.g weber.floor 4710 or 4712 (EC 1) directly onto the concrete substrate with scattering of silica sand weber.floor 4936 (0.3 - 0.8 mm) over the fresh second coat.
- The substrate preparation must be adapted to the specific job site conditions.

---

## Working instructions

---

### Mixing

- Manual application: mix with approx. 5.0 - 5.5 liters of water per 25 kg bag for 1 - 2 minutes until lump-free, using a slow-speed electric drill and an appropriate stirrer (e.g weber.sys Rührpaddel no. 3). Observe a maturing time of approx. 3 minutes and mix again shortly.
- Excessive water content reduces the mechanical strengths, and increases the risk of cracks and shrinkage.
- As scratch layer on timber floors in combination with the bonding primer weber.floor 4705: mix 25 kg weber.floor 4045 with 10 liters weber.floor 4705.

### Application

- weber.floor 4045 is dedicated to application on small areas and can be trowelled in accordance with the desired consistency.
- Use a flat trowel for spreading the material in the required thickness and for smoothing works.
- After hardening weber.floor 4045 can be covered with all **weber.floor smoothing mortars and self-levelling compounds**.
- When mixed with weber.floor 4705 for use as scratch coat on timber floors, the mixed compound is applied directly on the floor, using a flat trowel.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

### Aftercare

- Protect freshly installed surfaces from draughts, and the direct effects of sunlight and heat.
- Ventilation is necessary as soon as the product is open to foot traffic; avoid draughts.
- The job site temperature must be at least +10°C (better +15°C) during and 7 days after application.
  - Do not use de-humidifiers during the first 2 days.
- Particularly in the case of thicker levelling layers the final flooring must be laid after maturity for covering; if not possible, protect the material from over-drying through appropriate measures.

### Readiness for covering

- All common floorings (textile, PVC, LVT, vinyl, linoleum, rubber, ceramic tiles, natural stones etc.) can be installed after following delays:
- Moisture-resistant floorings at +20°C and 65 % relative humidity: at least 2 hours

# Technical Data Sheet



- Parquet/laminate and small repaired surfaces (< 40 x 40 cm) at +20°C and 65% relative humidity: 1 day
- Levelling full-surface at +20°C and 65% relative humidity: 1 day per each 10 mm-layer thickness

---

## Practical information

---

Water demand:

5.0 - 5.5 liters / 25 kg

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 3, flat trowel

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry and protected from moisture.

---

## Consumption

---

per mm layer thickness:	approx. 1.6 kg/m <sup>2</sup>
as scratch layer:	approx. 500 g/m <sup>2</sup>

---

## Packagings

---

Type	Sales unit	Number / euro-pallet
Plastified bag	25 kg	42 bags

*The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.*