

weber.floor 4032

Ultra flow smoothing mortar

Cement-based self-levelling smoothing mortar for thicknesses 1 - 10 mm, with very quick covering maturity (CT-C35-F7)

Fields of application

As very quick-setting mortar weber.floor 4032 allows levelling and laying of floorings within one day in residential, commercial and industrial buildings.

As bonded self-levelling mortar for a wide range of floor substrates via manual or mechanical application in new and old facilities.

It forms a sound, even, smooth and load-bearing substrate for all common floorings and for coverings with high demands for flatness.

For use indoors.

Description

weber.floor 4032 is a factory-mixed, cement-based, polymer-modified and self-levelling smoothing mortar.

Main features

- **EMICODE EC 1 PLUS**: very low emission of volatile substances
- CE marking: CT – C35 – F7 (EN 13813)
- self-levelling
- 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 ≥ 1 mm under floorings
- suitable for shear-resistant laying of parquet when used in a layer thickness ≥ 2 mm under floorings
- for high loads
- provides very smooth surfaces

- high yield
- self-aerating: no need of spiked roller

Technical values

Water demand:	approx. 25%
Compressive strength (28 days):	> 35 N/mm ²
Flexural strength (28 days):	> 7 N/mm ²
Pot life:	> 15 - < 20 minutes at +20°C and 65% relative humidity rate
Application temperature (air):	≤ +10°C - ≥ +25°C
Application temperature (substrate):	+10°C - +25°C
Reaction to fire:	class A 2 fl s1 (EN 13501-1)
Layer thickness:	1 - 10 mm
Consistency (slump/flow rate):	260 – 280 mm (with flow ring: Ø 68 mm/height 35 mm)
Open to foot traffic:	≥ 50 - ≤ 60 minutes
Open to light load:	approx. 1 hour
CE marking:	CT – C35 – F7 (EN 13813)

Quality control

weber.floor 4032 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. Assess the levelling requirements beforehand.
- 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 timber planks, chipboards and floating constructions (on separating membrane or on insulation boards).
- weber.floor 4032 can be applied without primer on specific substrates, such as old well-bonding watertight glues, previously grinded watertight chipboards, OSB boards and solid wooden planks.
- The product bonds well to the pre-said substrates without primer; this however can lead to rising air and hence to less perfect surfaces, depending on substrate.
- Do not add any foreign substances during mixing and application.

Substrates

Concrete, cement screeds, calcium sulphate screeds, magnesia screeds (up to 3 mm), stonewood screeds (up to 3 mm), mastic asphalt (up to 3 mm), ceramic tiles and timber planks 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 $\geq 1.0 \text{ N/mm}^2$.
- 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 primers for purpose of adhesion with subsequent products.
- weber.floor 4032 can be applied on old well-bonding watertight glues, mastic asphalt screeds and substrates without primer (see "Special notes") in a maximal thickness of 3 mm. A primer is however mandatory in case of levelling thicknesses $> 3 \text{ mm}$ on the pre-said substrates.
- 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 screeds: use the epoxy resin primer weber.floor 4710 or 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.

- Unsufficiently or not sanded-off poured asphalt: use the epoxy resin primer weber.floor 4710 or 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.
- Well sanded-off poured asphalt: use the primer weber.floor 4716 diluted with water in a ratio of 1 : 1. Apply with a soft broom.
- 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 the primer weber.floor 4705 mixed with the levelling mortar weber.floor 4045 (1 - 50 mm) in a ratio of 1 : 1 (application with flat trowel).
- In case of capillary rising damp or 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.
- Level out deeper unevenesses (> 10 mm) with e.g the levelling mortar weber.floor 4045 (1 - 50 mm), using a flat trowel.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- A steady consistency is a pre-requisite for the final properties of the smoothing mortar. Monitor the consistency regularly via slump test. Take mixed material in the 1.3 liter flow tin, pour it into the flow ring and measure the slump (260 - 280 mm) on the flow table. The mortar must not show any bleeding.
- Manual application: mix with approx. 6.0 - 6.25 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. 1 minute and mix again shortly.
- Excessive water content reduces the mechanical strengths, and increases the risk of cracks and shrinkage.

Application

- It is recommended to determine limited working lanes or sections, in order to ensure the full workability of the product (mixing, levelling and smoothing) within its pot life.
- Use the self-bonding foam strip weber.floor 4965 in order to form bays and stop ends.
- Maximum levelling thickness of 3 mm on mastic asphalt, grinded ceramic tiles, timber planks, chipboards and stonewood screeds.

- In case of mechanical application distribute the fresh mortar either with a notched blade scraper, e.g weber ABS Schwedenraker in 30 cm width (for angles and small surfaces) and in 60 cm width (for larger surfaces), with a flat rake with 2 adjustable pins, e.g weber Bodenverlaufsraker or with a flat trowel at a shallow angle.
- In case of manual application smooth the fresh mortar without delay either with a notched blade scraper (weber ABS Schwedenraker) or with a flat trowel at a shallow angle.
- 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.
- Grinding works must be carried out as soon the smoothing mortar is open to foot traffic.

Readiness for covering

- All common floorings (textile, PVC, LVT, vinyl, linoleum, rubber, ceramic tiles, natural stones etc.) can be installed as soon the smoothing mortar is open to foot traffic.
- The maturity for covering is reached after 12 hours in case of parquet and laminate.

Practical information

Water demand:

max. 6.0 - 6.25 liters / 25 kg

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 3, slump test tools (tin, ring and table), notched blade scraper weber ABS Schwedenraker (30 cm width for angles and small surfaces and 60 cm width for larger surfaces), flat rake with 2 adjustable pins weber Bodenverlaufsraker, flat trowel

Storage:

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

Technical Data Sheet



Consumption

per mm layer thickness: approx. 1.6 kg/m²

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.