

weber.floor 4033

Fiber-reinforced smoothing mortar

Cement-based, fiber-reinforced and self-levelling smoothing mortar for thicknesses 1 - 10 mm

Fields of application

As bonded self-levelling mortar for a wide range of floor substrates via manual or mechanical application, and especially for the renovation of old floors. It forms a sound, even, smooth and load-bearing substrate for all common floor coverings and also for those with high demands for flatness. For use indoors.

Description

weber.floor 4033 is a factory-mixed, cement-based, polymer-modified and fiber-reinforced smoothing mortar.

Main features

- EMICODE EC 1^{PLUS}: very low emission of volatile substances
- CE marking: CT - C25 - F7 (EN 13813)
- high flow performance
- resistant under chair castors (in accordance with EN 12529) when used in a layer thickness ≥ 2 mm [\[#_Hlk533870983 .anchor}](#)under flooring materials
- under floor coverings with high demands for flatness
- early open to foot traffic
- ready for overlay with flooring materials
- suitable for heated floor constructions
- fiber-reinforced

Technical values

| | |
|---------------------------------|------------------------|
| Water demand: | 24% - < 26% |
| Compressive strength (28 days): | > 25 N/mm ² |
| Flexural strength (28 days): | > 7 N/mm ² |
| Pot life: | > 15 - < 20 minutes |

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|--------------------------------------|--|
| Application temperature (air): | at +20°C and 65% relative humidity rate ≥ +10°C - ≤ +30°C |
| Application temperature (substrate): | +10°C - +25°C |
| Reaction to fire: | class A 2 fl (EN 13501-1) |
| Layer thickness: | 1 - 10 mm |
| Consistency (slump/flow rate): | 240 - 260 mm (with flow ring: Ø 68 mm/height 35 mm) |
| Open to foot traffic: | ≥ 2 - ≤ 4 hours |
| Open to light load: | approx. 4 hours |
| CE marking: | CT - C25 - F7 (EN 13813) |

Quality control

weber.floor 4033 is subject to a regular quality control by self-monitoring according to EN 13813.

General notes

- Assess the levelling requirements beforehand.
- For application on floating constructions and heated screeds, all walls and up-stands (pillars, columns etc.) within the floor should be separated with a 8-mm thick insulation foam strip; it must reach downwards from the substrate.
- 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: only use indoors.
- Use the glass fiber woven mesh weber.floor 4945 to reinforce the mortar on weak timber floors and to bridge joints between beams. Apply weber.floor 4033 onto the mesh in thicknesses between 8 - 10 mm with an overlap of 50 mm.
- Do not add any foreign substances during mixing and application.

Substrates

Concrete, cement screeds, calcium sulphate screeds, magnesia screeds, mastic asphalt, ceramic tiles, hollow space floors/raised floors, dry screeds elements and timber floors are allowed substrates.

Substrate preparation

- The substrate must be solid, load-bearing, dry, and free of dust and all adhesion-impairing contaminants.
- Use the specific primer in accordance with the prevailing substrate: either the acrylic primer weber.floor 4716 or the 2-comp. solvent-free epoxy resins weber.floor 4710 or weber.floor 4712 (EC 1); oven-dried silica sand should be scattered on the epoxy primers. Observe the technical data sheets.
- In case of capillary rising damp or vapor pressure through the substrate, apply 2 coats of epoxy resin as vapour-barrier, e.g. weber.floor 4712 (EC 1) directly onto the concrete substrate with silica sand spreading over the fresh second coat.
- Level out deeper unevennesses (> 10 mm) with e.g. the trowel-grade levelling and patching mortar weber.floor 4045, using a flat trowel.
- Prior to installation on timber floors, loose boards should be fastened with screws or nails, and all openings and holes > 2 mm closed with a silicone sealant e.g. weber.fug 880 or an acrylic sealant e.g. weber.fug 888.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Mechanical application: use the mixing and pumping machine m-tec Duomix 2000 which is authorized by Weber.
- For optimal application the whole length of hoses should be at least 40 meters.
- A steady consistency is a pre-requisite for the final properties of the smoothing mortar. Monitor the consistency regularly via slump test [\[#{#_Hlk530726993 .anchor}\]](#). Take mixed material in the 1.3 liter flow tin, pour it into the flow ring and measure the slump (240 -260 mm) on the flow table. The mortar must not show any bleeding.
- Manual application: mix with approx. 6.0 - 6.5 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).
- Excessive water content reduces the mechanical strengths, and increases the risk of cracks and shrinkage.

Application

- When the material is pumped, limited working sections must be determined, in order to ensure the full workability of the product (mixing, levelling and smoothing) within its pot life. Therefore, the width of each working section should not exceed 10 – 12 meters.

- If the specified width is exceeded, use the self-bonding foam strip weber.floor 4965 in order to form bays and stop ends.
- Smooth and de-aerate the fresh mortar without delay either with the notched blade scraper weber ABS Schwedenraker in 30 cm width (for angles and small surfaces) and in 60 cm width (for larger surfaces) which will assist the self-levelling process, or with the flat rake weber Großflächenraker (without notched blade) for smoothing works at a shallow angle. If necessary, use a spike roller for layer thicknesses up to 6 mm.
- 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 sun light 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 work must be carried out within 24 hours after installation.

Readiness for covering

- The floor covering can be installed after approx. 24 hours at +20°C and 65 % relative humidity rate.
 - In case of application > 5 mm: after 3 days for parquet and laminate

Practical information

Water demand: 6.0 - 6.5 liters / 25 kg

Tools:

Mixing and pumping machine m-tec Duomix 2000 or 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 weber Großflächenraker (without notched blade), flat trowel, spike roller

Storage:

The product can be stored for at least 18 months in its original unopened packaging, if kept dry and protected from moisture.

Consumption

per mm layer thickness: approx. 1.6 kg/m²

Packagings

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