

## weber.floor 4520

Quick-setting lightweight levelling compound, outdoors and indoors

**Cement- and expanded polystyrene-based lightweight levelling compound 3 - 25 cm, with very early covering of insulation boards or screed**

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### Fields of application

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For use in residential and commercial constructions) and for renovation of old buildings.  
As general height compensation over pipes on floors.  
As levelling on wooden beam ceilings.  
For reprofiling of flat roofs and concrete foundation slabs.  
As height compensation of stores.  
As sloped insulating layer.  
For use indoors and outdoors.

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### Description

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**weber.floor 4520** is a factory-mixed, cement- and expanded polystyrene-based lightweight levelling mortar.

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### Main features

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- very low weight
- can be walked on and covered with screed after approx. 1 hour
- can be used in different thicknesses 3 - 25 cm
- high laying performance
- can be mixed and pumped by machine
- plastic consistency
- low compressibility
- high thermal insulation property

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## Technical values

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Water demand:	approx. 80 liters/m <sup>3</sup>
Pot life:	approx. 30 minutes at +20°C and 65% relative humidity rate
Application temperature (air):	≥ +5°C - ≤ +30°C
Application temperature (substrate):	+5°C - +30°C
Fresh mortar density:	approx. 164 kg/m <sup>3</sup>
Dry bulk density:	approx. 150 kg/m <sup>3</sup>
Reaction to fire:	class B 2 (DIN 4102)
Layer thickness:	3 - 25 cm
Consistency:	earth-moist (K 1)
Open to foot traffic:	> 1 - < 2 hours
Open to light load:	> 2 hours
Thermal conductivity:	< 0.05 W/mK

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## Quality control

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**weber.floor 4520** is subject to a regular quality control by self-monitoring.

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## General notes

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- 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. Take into consideration that the compressibility of **weber.floor 4520** is approx. 10%.
- In case of permanent and high formation of water damp below ceilings (e.g in industrial kitchens) an appropriate waterproofing must be installed on its underside.
- All walls and upstands (pillars, columns etc.) within the floor should be separated from the floor construction with an insulation foam strip (thickness ≥ 10 mm); it must reach downwards from the substrate up to the upper edge of the final floor covering.
- In case of doubt regarding application, substrate or special structural features, request technical advice.

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## Special notes

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- Limits of use: do not use as drainage layer and do not cover with tiles or other floorings.
- The compressibility of **weber.floor 4520** must not exceed 3 mm for a 15 cm-installation thickness. This figure must be considered for determining the right material consumption and also the right thickness of the screed applied on top of **weber.floor 4520**.
- In case of mineral wool insulation boards (as supplementary insulation material) roll out a separating membrane on **weber.floor 4520**.
- The product develops heat during setting process.
- Do not add any foreign substances during mixing, pumping and application.

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## Substrates

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Separating membranes and all clean substrates are allowed substrates.

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## Substrate preparation

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- The substrate must be load-bearing, dry, and free of dust and all adhesion-impairing substances.
- Pre-wet dry concrete surfaces with water and allow to dry until dull-moist.
- In case of rising damp take the appropriate measures for waterproofing.
- The substrate preparation must be adapted to the specific job site conditions.

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## Working instructions

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### Mixing

- The content of 200 liter-bags is mixed with a screed pump.
- The dry material is mixed with 16 liters of water for approx. 2 minutes and pumped to the installation site.
- Empty the content of 60-liter bags into a bucket of approx. 80 liters, pour approx. 4.8 liters of water and intensively mix for 2 minutes, using an electric drill and an appropriate stirrer.

### Application

- Apply the material in an earth-moist consistency.
- After spreading, quickly compact with a tamper or flat shovel, rule with a levelling rod or spirit level and then compact again
- Clean mixing equipment and tools with water (fresh product). Hardened material must be removed mechanically.

## Aftercare

- After 1 - 2 hours according to temperature and humidity rate a complementary insulation layer or a floor screed can be installed.
- The product must be covered with a load-distribution layer which is applied on a separating membrane.
- For this purpose use either the normal-setting floor levelling compound for renovation and timber floors **weber.floor 4310** (2 - 50 mm), the quick-setting and -drying floor levelling compound for renovation and timber floors **weber.floor 4320** (2 —50 mm) or the thin-layer screed **weber.floor 4365** in a thickness  $\geq 25$  mm or any **weber.floor** flow screed.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

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## Product details

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Water demand:  
approx. 16 liters / 200 liter bag

Tools:  
Screed pump, mortar bucket, electric drill + stirrer, tamper, flat shovel, levelling rod or spirit level.

Storage:  
The product can be stored at least 6 months in its original unopened packaging, if kept dry and protected from moisture.

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## Consumption

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for a 10 cm-layer thickness: 110 liters of fresh mortar per m<sup>2</sup>

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## Packagings

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Type	Sales unit	Number / euro-pallet
Plastic bag	60 liters 200	20 bags 6 bags
Plastic bag	liters	

*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.*