

## weber.floor 4515

### Normal-setting lightweight screed underlay, indoors

**Cement-based, pumpable lightweight levelling compound for thicknesses 1 - 30 cm**

#### Fields of application

As general height compensation on floors in new buildings and for the renovation sector.  
As height compensation over pipes on floors in residential and commercial constructions.  
As levelling on wooden beam ceilings.  
For reprofiling of concrete slabs.  
For use indoors.

#### Description

weber.floor 4515 is a factory-mixed, cement-based lightweight levelling mortar.

#### Main features

- low weight
- can be used for easy construction site operations
- can be used in high layer thicknesses
- can be mixed and pumped by machine
- non-combustible
- easy processing

#### Technical values

Water demand:	> 53% - < 60%, depending on factory
Compressive strength (28 days):	approx. 1.8 N/mm <sup>2</sup>
Flexural strength (28 days):	approx. 1 N/mm <sup>2</sup>
Pot life:	approx. 60 minutes at +20°C and 65% relative humidity rate
Application temperature (air):	≥ +5°C - ≤ +30°C

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Application temperature (substrate):	+5°C - +25°C
Fresh mortar density:	approx. 700 kg/m <sup>3</sup>
Dry bulk density:	approx. 550 kg/m <sup>3</sup>
Reaction to fire:	class A 1 (EN 13813)
Layer thickness:	1 - 30 cm
Consistency:	plastic (K 2)
Open to foot traffic:	approx. 2 days
Thermal conductivity:	approx. 0.11 W/mK

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## Quality control

weber.floor 4515 is subject to a regular quality control by self-monitoring according to EN 13813.

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## 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.
- In case of permanent and high formation of water damp below ceiling (e.g in industrial kitchens) an appropriate waterproofing must be installed on its underside.
- Assess the levelling requirements beforehand.
- All walls and upstands (pillars, columns etc.) within the floor should be separated from the floor construction with an insulation foam strip (thickness  $\geq 10$  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

- Limits of use: do not use as drainage layer and do not cover with tiles or other floorings.
- Do not add any foreign substances during mixing, pumping and application.

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## Substrates

All load-bearing and clean substrates are allowed.

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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.
- 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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- Mechanical application: use all common render machines and mixing pumps, when suitable for flow screeds (for ex. m-tec Duomix 2000).
- Manual application: mix with approx. 8 - 9 liters of water per 15 kg bag for 2 - 3 minutes, using an electric drill and an appropriate stirrer.
- Apply the material in a plastic consistency.
- For levelling  $\geq 4$  cm, the cast surface is immediately beaten through, using the wobbling bar weber Schwabbelstange; first lengthwise and strongly, then crosswise and somewhat smoother. Such wavelike movements bring a good levelling and aerating effect. The surface can also be smoothed using a flat trowel.
- Clean mixing equipment and tools with water (fresh product). Hardened material must be removed mechanically.

## Aftercare

- The product must be covered with a load-distribution layer which is applied on a separating membrane (e.g plastic foil).
- 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  $\geq 20$  mm or any **weber.floor** flow screed.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

## Readiness for covering

- In case of levelling  $\leq 4$  cm: approx. 1 day per each mm layer thickness
- In case of levelling  $> 4$  cm or in case of earlier laying of flooring, protect weber.floor 4515 by a vapour-tight separating membrane.

# Technical Data Sheet



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## Practical information

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Water demand:  
max. 9 liters/15 kg

Tools:  
Render machine and mixing pump for flow screeds (for ex. m-tec Duomix 2000), electric drill + stirrer, wobbling bar weber Schwabbelstange, flat trowel

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 / yield

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per cm layer thickness: approx. 4.5 kg/m<sup>2</sup> approx. 33.0 liters/bag of 15 kg

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## Packagings

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Type	Sales unit	Number / euro-pallet
Paper bag	15 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.*