

## weber.floor 4305

### Height levelling compound

Self-levelling, cement-based levelling compound 1-50 mm as a surface for floating heated floor systems



### Product profile

- Can be used in layer thicknesses from 1 - 50 mm
- For indoor use
- For subsequent floating installation

### Product advantages

- Cost-effective levelling compound for old substrates
- Can be used with low layer thickness
- Early access

### Product description

**weber.floor 4305 levelling compound** is a factory-produced, cement-based, (polymer-modified) levelling compound.

### Fields of application

**weber.floor 4305 height levelling compound** is used to create surfaces for the floating installation of floor coverings, underfloor heating systems, thermal insulation, screeds or dry screeds and, by levelling out unevenness and height differences in the bond, forms a stable substrate.

### Product features

- Self-levelling
- Very good machine processability
- Can be applied very quickly and economically with weber.floor PumpTruck
- Self-venting - no spiked roller required
- Very high flatness
- High mechanical load capacity

### Consumption / yield

per mm layer thickness approx. 1.7 kg/m<sup>2</sup>

### Technical values

Compressive strength (28 days)	≥ 8 N/mm <sup>2</sup>
Water consumption (absolute)	approx. 4.75 l/25 kg
Relative Water consumption	19 %
Application time	approx. 15 - 20 minutes
Maturing time from	approx. 1 minutes
Application temperature air	10 - 30 °C
Application temperature underground	10 - 25 °C
Layer Thickness	1 - 50 mm
Open to foot traffic	approx. 12 hours
Full load after	> 3 days
Reaction to fire (DIN EN 13501-1)	A1 fl
Consistency	220-240 mm (ring: 68/H 35 mm)

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### Storage

Shelf life	min. 9 months
Storage conditions	The material should be stored dry, cool, protected from moisture and direct sunlight in the unopened original container.

### Application

#### Surfaces

concrete, calcium sulfate screed, cement screed, tiles, magnesia screed, stone wood screed

#### Surface preparation

- The surface must be load-bearing, dimensionally stable, dry and free from dust and adhesion-reducing substances and have a surface tensile strength of  $\geq 0.5 \text{ N/mm}^2$ .
- Follow the application tip: "Procedure for surface preparation of floors"
- Substrate-related primer according to Weber system recommendation with **weber.floor 4716 acrylic bonding primer** or with epoxy resin **weber.floor 4712 Primer EP very low emission** with quartz sand scattering. Observe the technical data sheets.
- If there is a danger of rising damp from the surface, it is recommended to apply a double epoxy resin primer as a vapour barrier layer directly to the concrete substrate, e.g. with **weber.floor 4712 Primer EP very low emission** and quartz sand scattering

#### Application

##### Mixing:

- Work mechanically with a mixing Pump approved by Weber.
- Monitor consistency regularly with a flow ring test.
- To ensure optimum processing properties, the total length of the pump hoses used must be at least 40 metres.
- For manual application, mix for 1 to 2 minutes with a suitable stirring tool. After a maturing time of approx. 1 minute, mix again briefly.
- The material is mixed with the specified amount of water.
- Too high a water content reduces the strength, increases the risk of cracking and shrinkage.

##### Mixing tools:

- Mixing tool with stirring whisk for levelling compounds.
- weber.floor FMP 40, m-tec Duomix 2000, m-tec SMP (silo mixing pump) or weber.floor PumpTruck
- Clean equipment with water when fresh.

##### Application:

- If the material is pumped, the maximum width of the working area should not exceed 6 to 8 metres.
- If the width is exceeded, place **weber.floor 4965 skimming strips**.
- Smooth the surface with a notched trowel or smoothing trowel.

##### Post-treatment:

- Protect freshly installed surfaces from draughts, direct sunlight and heat.
- Ventilation is necessary once the surface is ready for foot traffic. Avoid draughts.
- The construction site temperature must be at least 10° C, preferably 15° C, during application and within the first week of application.
- Do not use a dehumidifier for the first 2 days.

##### Ready for covering:

- For layer thicknesses  $\leq 5 \text{ mm}$ : 24 hours.
- For layer thicknesses  $> 5 \text{ mm}$ : a further 24 hours per mm layer thickness
- Alternatively, the next day with a vapour-retarding film or after 3 days with a vapour-retarding PU primer (e.g. **weber.floor 4718 R**)

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### General notes

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Estimate the required levelling compensation before application.

When used on floating constructions and heated screeds, separate all rising components from the floor construction with 8 mm edge insulation strips.

Do not add any foreign substances.

In case of doubt regarding application, surface or special design features, please request advice.

The product must be covered once it is ready for covering.

The generally recognised rules of the trade and technology as well as the applicable national standards must be observed. The provisions of DIN 18560 apply, in particular the load-dependent screed thicknesses for calcium sulphate flowing screeds.

The material is subject to constant quality control through self-monitoring in accordance with DIN EN 13813.

### Special notes

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The product is only suitable for subsequent floating covering.

### Packaging units

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Type	Pack size	PU
sack	25 kilogram	42 sacks / palett
silo		