



## Technical data sheet

### Range of application

- strengthening of cement-based substrates
- indoors and outdoors
- for industrial use

### Product features

- high strengthening effect
- can withstand high levels of mechanical and thermal stress
- environmentally friendly; solvent-free



### Colourless silicate strengthener for cement-based screeds and concrete

### Range of application

**weber.floor 4720** is suitable for strengthening extremely absorbent and chalking concrete or cement-based screeds. It can be used on all cement-based industrial floors that are subject to high mechanical and thermal stress, for ex. in case of production floors in the metal-processing industry and in foundries with traffic of heavy forklifts with rubber and polyamide tyres.

For the most part, the original appearance of the surfaces will remain intact. For use indoors and outdoors

### Description

**weber.floor 4720** is a factory-mixed, 1-component alkali-silicate solution (water glass).

### Product features

- very good penetration behaviour
- surface appearance remains virtually intact
- highly strengthening effect
- reduces oil penetration
- highly water vapour permeable
- withstands high levels of thermal stress
- watery and odourless
- very easy to use
- fast drying
- environmentally friendly; solvent-free

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## Quality control

**weber.floor 4720** is subject to a regular quality control via self-monitoring.

## Technical data

Setting time	> 8 hours
Temperature resistance	-50°C – +800°C
Application temperature (air)	≥ +10°C – ≤ +30°C
Consistency	low viscosity
Open to pedestrian traffic	≤ 12 hours
Open to full service	at least 7 days

## General instructions

- **weber.floor 4720** does not form a sealed film on absorbent floors; it rather reacts with components of the cement-based substrate to form a glass-like, extremely hard silicate structure that provides a strengthening impregnation on the surface of the existing mortar matrix.
- Surfaces treated with **weber.floor 4720** can be left without any covering. However the product is suitable for strengthening concrete floors and cement-based screeds in the case of covering with reactive resin coatings.

## Special instructions

- Standing water can leave white edges after it dries off. The removal of such stains is nearly impossible.
- Strengthening of highly polymer-modified, cement-based smoothing mortars is not possible due to their low porosity.
- Relative humidity rate while drying: max. 85 %.

## Substrates

Allowed substrates: only concrete and cement-based screeds.

## Preparation of substrates

- The substrate must be solid, uniformly air-dry, sound, absorbent and free of oil, grease, paints, plastic residues, dust and other contaminants.
- The product can also be used on fresh untreated concrete surfaces, as soon as they are open to pedestrian traffic and air-dry.

## Working instructions

### Application

- **weber.floor 4720** is applied undiluted via brush, broom or roller until saturation. Avoid puddle formation; otherwise glossy darker spots might occur.
- A spray application via airless device is also possible for highly absorbent concrete floors: pressure 2 - 4 bar, nozzle approx. 2 mm, spray angle 40 - 80° flat jet.
- Number of coats: 1 to 2, depending on the substrate porosity
- Glass and aluminium must not come into contact with **weber.floor 4720**. Contamination must be washed off immediately with

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plenty of water.

#### Aftercare

- When used outdoors, the treated surface must be protected for at least 24 hours from rain and moisture.
- The product reacts with CO<sub>2</sub> in the air. Consequently the surface should remain open for at least one week.

#### Covering

- A covering is not necessary.
- If requested, a covering with a waterproofing compound like **weber.tec Superflex D 2** or with an epoxy resin sealer or coating, like **weber.floor 4736** or **4740** is possible.

#### Consumption

Per operation, depending on substrate porosity : approx. 150 – 300 g/m<sup>2</sup>

#### Practical information

<b>Color</b>	colourless
<b>Tools</b>	brush, broom, roller or airless device (pressure 2 - 4 bar, nozzle approx. 2 mm, spray angle 40 - 80° flat jet)
<b>Storage</b>	the material can be stored max.12 months, if kept dry, frost-free (not under + 10° C), and in its original tightly sealed packaging. The product is destroyed by frost. After thawing it is not allowed to be used.

Packaging	Sales unit	Number per wrapped euro-pallet
Plastic can	25 kg	16 cans

#### Notes

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be accepted for the quality of our products within the framework of our sale and supply conditions but not for their successful use.

Observe the safety precautions for protection of health and prevention of accidents given in the safety data sheet and on the label of the packaging.

This data sheet supersedes all earlier technical data on this product. Information supplied by our employees and/or distributors going beyond the scope of this data sheet must be confirmed in writing.

We reserve the right to make changes representing technical progress.

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