Technical Data Sheet

weber.floor 4725

Low-emission EP-emulsion primer

Transparent, quick-curing, 2-component reaction resin emulsion primer

Fields of application

As emulsion primer on very dense substrates, such as the cement-based levelling compound for industrial floors **weber.floor 4610** Industry Top in combination with the 2-comp. epoxy resin sealers like **weber.floor 4736** (colored and silk matt-grade) or the colorless sealer **weber.floor 4774** (colourless and matt grade). Also for use on anhydrite screeds and magnesia screeds. With approval for sensitive recreation rooms. For indoors and outdoors.

Description

weber.floor 4725 is a factory-mixed, 2-component, water-emulsified epoxy resin.

Main features

- CE marking: SR - B1.5 - AR0.5 - IR6
- fulfills the AgBB-scheme (Committee for Health-Related Evaluation of Building Products)
- with official approval Z-156.605-804 (Germany)
- very low viscosity < 100 mPas at +23°C
- easy application
- very good adhesion
- good wetting and penetration
- rapid curing
- permeable to water vapour

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Technical values

Curing time:	approx. 4 hours
Pot life:	approx. 30 minutes at +20°C
Application temperature (air):	≥ +15°C - ≤ +30°C
Application temperature (substrate):	+15°C - +30°C
Reaction to fire:	class Efl (EN 13501-1)
Consistency:	liquid
Open to light load:	approx. 1 day
Open to full load:	approx. 7 days
Mixing ratio:	comp. A (resin base) : comp. B (hardener) = 1 : 3 parts by weight
CE marking:	SR - B1.5 - AR0.5 - IR6

Quality control

weber.floor 4725 is subject to a regular quality control by external monitoring and self-monitoring.

General notes

- Follow the national guidelines/standards; if not issued and if necessary, refer to the BEB data sheets “Industrial floors of reactive resin KH-O/U, KH-1 to KH-5 and KH-O/S” (Germany).
- Colourless impregnations intensify the colour and can lead to light-dark effects on the impregnated surface.
- Relative humidity rate during and 24 hours after processing: < 75%
- Epoxy resins are not permanently colour stable under UV and weather influences and tend to chalk due to accelerated aging.

Special notes

- The end of processing is not recognizable.
- After the end of the pot life, do not continue to use the product due to possible curing problems.
- The product must not be diluted with water.
- Colourless subsequent treatment with the epoxy sealer **weber.floor 4774** (matt grade) is only possible on **weber.floor** industrial coatings. In these cases we recommend an additional sacrificial layer with wax/acrylic resin care.

Substrates

- Concrete, cement screeds, calcium sulphate screeds, magnesia screeds, mastic asphalt screeds, old, well-bonded epoxy resin coatings and **weber.floor 4610** Industry Top are allowed substrates.

Substrate preparation

- The substrates must be sufficiently load-bearing, clean, dry, dimensionally stable and free of all adhesion-impairing substances.
- In case of rising damp, 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.
  Magnesia and anhydrite screeds are not resistant to moisture; wait for their balance moisture content. In case of reverse moisture through the substrate, bubbles and detachments of the sealer coat, and also damages of the screed itself can also occur, even when thin sealer coats are applied.
- Sandblast or grind old, well-bonded epoxy resin coatings or paints intensively until “white break”. In case of doubt, carry out a test on a trial area.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- **weber.floor 4725** is supplied in 2 pre-mix twin packagings (component A = resin base and component B = hardener) with the specific mixing ratio for use. Avoid mixing of partial quantities.
- Empty the component A totally into the component B.
- Mix both components with a low-speed electric drill and the stirrer **weber.sys Rührpaddel** no. 2 for approx. 2 minutes, at least until a homogeneous mixture of uniform colour is achieved.
- Care must be taken to ensure that the product is also thoroughly mixed in the corners and the bottom of the mixing container.
- We recommend decanting into a clean container and mixing shortly again.

Application

- Immediately after mixing, apply the material crosswise in a thin and even layer, using a nylon roller; avoid pinholes.
- If the substrate is highly absorbent, apply a second coat. Do not dilute with water!

- Clean mixing equipment and tolls with water (fresh product). Hardened material can only be removed mechanically.
- A uniform material application leads to a uniform gloss level and avoids shading.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.
- Good ventilation, i.e. air circulation, must be ensured during processing and drying. Avoid draughts.
- Subsequent treatment with the matt colourless epoxy sealer **weber.floor 4774** or the silk-matt colored epoxy sealer with **weber.floor 4736** as soon as the surface is open to foot traffic.

Practical information

Colours:
transparent

Tools:
Electric drill + stirrer **weber.sys Rührpaddel** no. 2, nylon roller.

Storage:
The product can be stored for at least 12 months in its original unopened packaging, if kept dry and frost-free (not below +10 °C).

Consumption

per operation:	approx. 120 - 200 g/m²

Packagings

Type	Sales unit	Number / euro-pallet
Metal container (kit with comp. A + comp. B)	10 kg	30 containers

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.

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