weberfloor 4765N epoxy paint

- Environmentally friendly
- Low emission quality
- Excellent adhesion
- Consistent surface finish
- Excellent covering properties
- Results in appealing surfaces

About this product

weberfloor 4765N epoxy paint is a 2-component, water emulsified, pigmented epoxy resin sealer.

weberfloor 4765N epoxy paint is especially suitable as sealer on steel, aluminum, galvanized steel, concrete, cement screed, magnesia, and mastic asphalt, as well as for the reconstruction of older areas, due to its excellent adhesion on different, even older substrates. The product may easily be applied with a roller, offers high coverage, and due to its consistency the product is pleasant to work with and environmentally sound. The application in 2 layers results in a durable and optically appealing sealing coat. The product cures by drying and chemical cross-linking to a durable, robust film with good adhesion.

weberfloor 4765N epoxy paint results in a hard and tough, almost abrasion resistant film, physiologically harmless with good resistance to aqueous solutions, diluted acids and bases, as well as motor oil and fuel oil. The water vapour permeability allows the sealing of substrate sensitive to water as well as excessively damp substrate. weberfloor 4765N epoxy paint results in semi-gloss surfaces.

The product has been tested in combination with weberfloor 4764 water-based primer according to the AgBB testing standards of the DIBt® and classified as low emission.

Area of use

- weberfloor 4765N epoxy paint is used as sealer on steel, aluminum, galvanized steel concrete, cement-, anhydrite-, and mastic asphalt screed and magnesia coatings.
- As sealer on water vapour permeable coatings.
- Sealing and thin coats for interior areas, like e.g. commercially and industrially used areas, lower decks, garages, storage rooms- & corridors etc.
- Re-working on older epoxy resin substrate.
- Vertical areas and walls.

Substrate

The substrate to be coated has to be levelled, dry, free of dust, has to have adequate tensile and compressive strength and be free from weakly-bonded components or surfaces. Materials impairing adhesion, such as grease, oil and paint residues must be removed using suitable methods. Please refer to the advice issued by the trade associations, e.g. the current edition of BEB worksheets KH-0/U and KH-0/S. The sur- face to be coated should be prepared mechanically.

Product specification	
Material consumption	Approx. 0.25 kg/m² for each layer
Recommended layer thickness	0.5 mm when applied in 2 layers
Mixing ratio A:B	A : B = 1 : 5 by weight. A : B = 1 : 4.15 by volume.
Application temperature	Minimum 15 °C / 59 °F (room- and floor-temperature)
Flash point	Not flammable according to DIN 51755
Pot life (Operating time)	80 minutes at 15 °C / 70 minutes at 20 °C / 40 minutes at 30 °C
Waiting time between operations	After 18 - 24 hours, but not longer than 48 hours at 20° C / 68 °F
Curing time	24 - 36 hrs. at 15 °C / 18 - 24 hrs. at 20 °C / 14 - 18 hrs. at 30 °C
Curing time for light traffic load	2 - 3 days for mechanical load at 20 °C / 68 °F
Curing time for full traffic load	7 days for chemical resistance at 20 °C / 68 °F
Density	1.32 kg/l according to DIN EN ISO 2811-2 (20 °C / 68 °F)
Viscosity	Approx. 1000 mPas according to DIN EN ISO 3219 (23 °C / 73.4 °F)
Dry content (part by volume)	> 63 weight-%
Color	Weber Standard Colours – see chart. All RAL colours upon request!
Storage conditions	12 months (originally sealed) – Protect from frost! Store in dry and at frost-free conditions. Ideal storage temperature is between 10 - 20 °C / 50 - 68 °F. Bring to a suitable working temperature before application. Tightly reseal opened containers and use the content as soon as possible.
Package	Hobbock-Combi 25 kg

Diamond grinding is especially recommended for sealing coats, resulting in a smooth surface. Cleaning older substrates is necessary before mechanical preparation. When sealing older synthetic resin surfaces test for sufficient adhesion. Conduct a trial if in doubt.

To know before applying

To clean tools and fresh contamination use water immediately. Hardened material can only be removed mechanically.

Mixing

Combi-trading units will be supplied in the correctly measured mixing ratio. Component B has sufficient volume for the entire trading unit. Decant component A into the hardener compound. Blend with a slow speed mixer (200 - 400 r/pm) for at least 2 - 3 minutes, for a material that is homogeneous and free of streaks. If water will be added mix components A + B completely first. Then add water and homogenize once again completely. To avoid mixing errors, it is recommended

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to empty the resin/hardener-mixture into a clean container and mix briefly once again. Stir up the single components for partial withdrawals and weigh for the exact mixing ratio.

Processing time max. 70 minutes at 20 °C / 68 °F (see chart "Processing time"). **Note**: End of pot-life is not visible!

Work instructions

Build-up of Coats

• Grind the substrate and vacuum off thoroughly.
• Apply base coat with the recommended Primer resin, weberfloor 4764N water-based primer. Consumption approx. 0.15 kg/m².
• Apply the first sealing coat weberfloor 4765N epoxy paint with a nylon roller. Consumption approx. 0.25 kg/m².
• Apply the second sealing coat weberfloor 4765N epoxy paint with a nylon roller using criss-cross strokes. Consumption approx. 0.25 kg/m².

Application / Handling

As with all reactive resins the mixture should be processed immediately. Apply with a lint-free velour-sealing-roller and stripping grate. Divide working areas before starting work to avoid multiple applications and shoulders. It is recommended that larger areas will be processed by at least 2 people. One or more workers should apply the material in one direction and another person distributes the fresh sealing material crossways (in a 90°-angle). A 50 cm wide roller should be used on larger areas. The roller for distribution should be soaked with the material and should only be used for distribution, never for the application of the sealer. Always work „fresh-in-fresh" and ensure an optimum distribution. Avoid ponding due to possible blooming.

Floor- and air-temperature must not fall below 15 °C / 59 °F and/or humidity must not exceed 75 %. The difference in floorand room-temperature must be less than 3 °C/ 37.4 °F so the curing will not be disturbed. If a dew-point situation occurs adhesion may malfunction, curing may be disturbed, and spotting may occur. Exposure to water has to be avoided for the first 7 days. Curing time applies to 20 °C / 68 °F. Lower temperature may increase, higher temperature may decrease the curing and processing time. If working conditions are not complied with, deviations in the described properties may occur in the end product.

After-treatment

Cleaning and maintenance of sealed coatings

For cleaning note the recommendations for care and maintenance. For the warranty of interlayer adhesion do not apply any care products on aqueous sealers within the first 7 days (20 °C / 68 °F).

In special cases, especially with vibrant colours, the cleaning might cause a loss of colour. This can be avoided by laying an additional transparent sealing, weberfloor 4763N epoxy matt sealer. If necessary, ask for a consultancy.

Please observe

The product is subject to the hazardous material-, operational safety-, and transport-regulations for hazardous goods. Refer to the DIN-Safety Data Sheet and the information labelled on the containers!

GISCODE: RE 1

Disclaimer

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

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