weberfloor 4764N water-based primer

- ready-to-use
- rapid-drying and curing
- low-emission quality
- solvent-free
- excellent adhesion
- water vapour permeable
- environmentally friendly

About this product

weberfloor 4764N water-based primer is a 2-component, ready-to-use, and rapid-setting, solvent-free epoxy resin emulsion.

weberfloor 4764N water-based primer is used as base coat prior to the application of water vapour permeable coatings and sealers.

Use weberfloor 4764N water-based primer predominantly when vapour tight base coats are not suitable. Necessary within the system on water vapour permeable coatings, e.g. on damp, early age concrete, magnesia substrate, susceptible to moisture and similar substrate.

The product cures by dehydration of the contained water and subsequent chemical cross-linking into a consistent, robust film with good adhesion. Due to its penetrating adjustment the substrate will be very well dampened, resulting in an excellent adhesive foundation for subsequent coatings. Absorbency will be reduced, dust will be bound. In addition, the subsequent coating will result in a smooth, sealed surface for spread coatings.

weberfloor 4764N water-based primer cures rapidly, within 2 - 7 hours, ready for subsequent coatings. The end of pot-lifeis not visible. Excellent adhesion on different substrates, like steel, aluminum, galvanized steel, concrete, cement screed, magnesia and similar screed, as well as on older synthetic resin coatings. weberfloor 4764N water-based primer results in a hard, physiologically harmless film.

The product has been tested in combination with weberfloor 4765N spocy paint according to the AgBB-testing standards of the DIBt® and has been classified as low-emission.

The cured coating offers resistance to water, aqueous salt solutions, diluted acids and bases. Conditionally resistant to solvents.

Area of use

• For use on magnesia- and anhydrite-screeds.
• For coatings on "waterproof" substrates with increased moisture content.
• As base coat before sealing with weberfloor 4765N epoxy paint, as well as non-pigmented film-forming impregnation.

Product specification	
Material consumption	Approx. 0.15 kg/m² for each layer
Mixing ratio A:B	A : B = 1 : 3 by weight. A : B = 100 : 320 by volume.
Application temperature	Minimum 15 °C / 59 °F (room- and floor-temperature)
Flash point	Non-flammable according to DIN 51755
Pot life (Operating time)	40 minutes at 15 °C / 30 minutes at 20 °C / 20 minutes 30 °C
Waiting time between operations	After curing, but not longer than 48 hours at 20 °C / 68 °F
Curing time	5 - 7 hrs. at 15 °C / 3 - 4 hrs. at 20 °C / 2 - 3 hrs. 30 °C
Curing time for light traffic load	1 - 2 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
Tensile adhesion strength	> 1.5 N/mm² according to DIN EN 1542
Density	1.05 kg/ l according to DIN EN ISO 2811-2 (20 °C / 68 °F)
Viscosity	80 mPas according to DIN EN ISO 3219 (23 °C / 73.4 °F)
Dry content (part by volume)	> 35 weight-%
Color	Non-pigmented
Storage conditions	12 months (originally sealed) – Protect from frost! Store in dry and at frost-free conditions. Ideal storage temperature is between 15 - 20 °C / 59 - 68 °F. Bring to a suitable working temperature before application. Tightly re-seal opened containers and use the content as soon as possible.
Package	Bucket-Combi 10 kg

Substrate

The substrate to be coated has to be levelled, surface-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 surface to be coated should be prepared mechanically, preferably by shot-blasting or grinding. The surface strength has to be at least 1.5 N/mm². The prepared area has to be primed accurately and sealed properly. If the substrate has not been sealed completely bubbles and pores may appear because of rising air. Older substrate has to be prepared mechanically and cleaned intensively. Conduct a trial if in doubt.

To know before applying

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

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Mixing
The material has a ready-to-use consistency and may not be diluted.

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 completely into the hardener B. 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, resulting in a whitish emulsion. To avoid mixing errors, it is recommended to empty the resin/hardener-mixture into a clean container and mix briefly once again.

It is mandatory to stay within the stated processing time – (see chart "Processing time"). **Note:** End of pot-life is not visible!

Work instructions
Build-up of Coats
• Shot-blast or grind the substrate and vacuum thoroughly.
• Apply a base coat using weberfloor 4764N water based primer, consumption approx. 0.15 kg/m²

Application / Handling
As with all reactive resins process the mixed material immediately. Apply the material with a nylon roller when used as a base coat. Apply in an even thin closed coat on the substrate. Avoid ponding and uneven layers. If the substrate is very absorbent apply another layer.

Floor- and air-temperature must not fall below 15 °C / 59 °F and/or humidity must not exceed 75 %. The difference in floor- and 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 and chemicals must be avoided within 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 technical properties may occur in the end product.

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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