weberfloor 4760N epoxy primer

- Solvent-free
- Cures even on damp substrate
- Low-emission quality
- Easy to apply
- Very excellent adhesion
- High penetration
- Reinforcing

About this product

weberfloor 4760N epoxy primer is a solvent-free, 2-component epoxy resin. The material is highly moisture tolerant.

weberfloor 4760N epoxy primer humidifies matt-damp surfaces, blocks water, and leads to excellent adhesion.

In combination with degreaser oily substrates can be cleaned. Afterwards a base coat can be applied.

Because of the very good penetration capability and high wettability properties the material stands the test on critical substrate. The material offers increased adhesive strength for substrate with lacking solidity. Because of its medium viscosity the material is suitable for scratch coats and as a wet bonding course for bonded screed. Good adhesion on steel-, galvanized steel-, aluminum- and concrete substrates.

Area of use

- Use as base coat before coating pale-damp and chemically wet-cleaned substrate.
- Use as base coat on screed- and concrete substrate.
- Use as base coat on steel, galvanized steel, aluminum.
- Reinforcement for substrate with insufficient rigidity.
- Scratch-coat for sealing and levelling.

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. weberfloor 4760N epoxy primer can be used as a bonding course on pale-damp substrate after degreasing. Suitable surfaces are concrete C20/25, cement screed CT-C35-F5, as well as other adequately sound surfaces such as steel, galvanized steel and aluminum. The substrate must have adequately high strength for the proposed occupational use. The coating of mastic asphalt with epoxy resin is not recommended. The adhesive tensile strength can be increased on stability lacking substrate because of the reinforcing effect of the material. The surface to be coated should be prepared mechanically, preferably by shot-blasting or grinding. The surface strength must then be a minimum of 1.5 N/mm². For concrete, moisture content must not exceed 4.5 CM-%, remaining residual humidity. The possibility of moisture ingress from the rear must be permanently excluded. Under certain circumstances weberfloor 4760N epoxy primer may be applied on damp or inadequately sealed substrate. Check the suitability for given premises. Please refer to the advice issued by the trade associations, e.g. the current edition of BEB-work-sheets KH-0/U and KH-0/S. Reconstructing floors requires a final examination, e.g. testing the adhesive tensile strength beside the usual requirements.

Product specification	
Material consumption	Base coat: Approx. 0.35 kg/m² Scratch coat: Approx. 0.4 - 0.6 kg/m² Mortar: Approx. 0.150 - 0.300 kg/m² for each mm of layer
Mixing ratio A:B	A : B = 100 : 60 parts by weight / A : B = 100 : 66 parts by volume
Application temperature	Minimum 10 °C / 50 °F (room- and floor-temperature)
Pot life (Operating time)	60 minutes at 10°C / 40 minutes at 20°C / 20 minutes at 30°C
Waiting time between operations	After curing, but not longer than 48 hours at 20 °C / 68 °F
Curing time	24 - 28 hrs at 10 °C / 12 - 15 hrs at 20 °C / 8 - 12 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
Adhesion strength	> 1.5 N/mm² according to DIN EN 1542
Compressive strength	> 70 N/mm² according to DIN EN 196/1
Flexural strength	> 25 N/mm² according to DIN EN 196/1
Water absorption	< 0.2 weight-% according to DIN 53495
Surface hardness	Shore-hardness D: 82 according to DIN 53505 (after 7 days)
Density	Components A + B; 1.08 kg/l according to DIN EN ISO 2811-2 (20 °C / 68 °F)
Weight	Weight loss: 0.3 weight-% (after 28 days)
Viscosity	Components A + B: 950 mPas according to DIN EN ISO 3219 (23 °C / 73.4 °F)
Dry content (part by volume)	> 99 weight-%
Storage conditions	12 months (originally sealed). 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 re-seal opened containers and use the content as soon as possible.
Package	Hobbock-Combi 30 kg

To know before applying

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

22 October 2021

Mixing
Single packages of the components need to be weighed in the precise mixing ratio. Combi-trading units will be supplied in the correctly measured mixing ratio. Component A has sufficient volume for the entire trading unit.

Decant the hardener B into the resin completely. 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. To avoid mixing errors, it is recommended to empty the resin/hardenermixture into a clean container and mix briefly once again ("to repot").

Producing scratch coats:
1.0 kg weberfloor 4760N epoxy primer
0.5 - 0.8 kg weberfloor quartz sand

Before adding additives, the resin has to be premixed. The amount of the sand-blend to be added depends on the desired texture and consistency.

Work instructions
Base coat: Processing the material as a base coat takes place immediately after mixing with a coating knife, spatula, or nylon roller. Apply an evenly closed sealing coat on the substrate, reroll time-delayed if necessary. On highly absorbent surfaces a second coat or a saturated scratch coat is recommended to achieve a fully sealed substrate. While still fresh, scatter the surface with approx. 0.8 kg fire-dried quartz sand (grain size 0.3/0.8 mm) for optimum adhesion. This is also mandatory if the subsequent coatings will be applied later than 36 hours after base coat application. For an increased resistance to osmosis it is necessary to apply the base coat in two layers, or apply a base-and scratch-coat. Then do not scatter the first coating and work within the recommended time pattern.

Scratch coat: For smoothing and completely sealing the substrate it is recommended to apply a scratch coat before subsequent coatings. Use a trowel, metal-, or rubber coating knife. The consistency has to be adjusted according to the absorbency of the substrate and set so the material may run true.

Floor- and air-temperature must not fall below 10 °C / 50 °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.

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.

Special remarks: We advise against the "gumming" of screed joints/flat joints with pure or with thixotropic agent filled epoxy resin. In the course of time, these areas will begin to show on the surface. For the application, use always the weberfloor 4760N epoxy primer in combination with quartz sand e.g. weberfloor quartz sand. For this, we recommend to add at least 1 - 3 parts by weight of filler.

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

22 October 2021