

TDS and instruction

Profloor EPW-Klar

Aqueous epoxy floor sealer and lacquer

Item number 669-S consisting of 668-/617-

Clear, aqueous epoxy floor sealer and lacquer

Areas of application

For sealing of concrete floors, floor screed and sealing of internal facade walls, brick walls, cement plaster, interior wood etc.

Features and benefits

Profloor EPW-clear has good chemical resistance, good UV resistance and helps to ensure that the treated substrate is easy to clean. EPW-clear reinforces the substrate and forms a light film on the surface, which prevents liquids and spills from penetrating into the substrate. Treatment with EPW-Klar does not usually enhance the natural colors of the substrate/give a wet-look effect, or darken it. (Some concrete substrates, with a high content of fly ash, excepted) The dry and bright appearance is preserved as best as possible in this way.

Substrate

The substrate must be clean, dry, grease-free, firm and suitable for epoxy, as well as slightly absorbent. Surfaces of concrete, mortar and plaster must, if there is concrete sludge present, be washed with an acidic solution, followed by rinsing.

Climate

The substrate temperature must be at least 10°C and 3°C above current dew point temperature. The temperature of the product and the surroundings must be 15°C-25°C. If the temperature is too high or too low, flow, drying and curing time, as well as pot-life are affected.

Treatment

EPW-Klar is supplied in kits reflecting the mixing ratio. If not mixing whole kits, stir components till uniformity, then weigh in correct mixing ratio which is 1A:1B. Mix with suitable mixing equipment, such as mixing propeller on stepless drill. Stir B-component till uniformity, add the A-component and mix for 2 minutes. Then transfer mixture to clean container and mix briefly again, before using. Avoid whipping air into the mixture.

Varnishing: Apply approximately 80-100 g/ m² with paint roller. On absorbent substrates, dilute with 10% water and use as a primer, before applying 1-2 coats of undiluted lacquer. Second coat can be applied when first coat is dry. The drying time depends on temperature and air exchange, as well as the substrate absorption. On absorbent substrates, at 23° - 65% RH, the drying time is 2-4 hours, depending on air exchange and applied amount.

Sealing: Apply approximately 80-100 g/ m² with paint roller in one coat. If substrate absorbs the applied amount immediately, back-rolling with another 80-100 g can be done wet-on-wet, within 30 minutes.

Limitations

EPW-clear is not pore-filling and cannot saturate substrates that are highly absorbent, such as porous poured concrete. EPW-klar cannot be used as binder for quartz, or for any kind of levelling or crack building. Treatment with EPW-klar is not suitable for areas with heavy rolling traffic, such as garages, car workshops and the like.

The mentioned information is based on laboratory experiments and practical testing at 23°C and 85% RH. If the temperature or humidity of the material, substrate or surroundings deviates from this, the product will be affected usage properties, as well as drying and curing times. A general responsibility for paint treatment cannot be given, due to the many caveats that may arise regarding the substrate, application method, etc. Where the consumption of a paint spans several batch numbers, these should normally be mixed together to avoid gloss and shade differences. It is the user's responsibility to obtain new and revised product sheets from time to time. We reserve the right to changes without notice. We reserve the right for printing errors.

Type:

Aqueous 2-component epoxy sealer

Chemical base:

Emulsified epoxy resin and aqueous emulsified epoxy hardener

Density ready-mix at 23°C:

1-1.1 kg/l ISO 2811

Viscosity ready mix at 23°C:

Approx. 600 cP

Hardness/shore D: N/A

Pot life:

At 23°C up to 1 hour

Consumption:

0.1-0,15 kg/m²
depending on substrate and method

Temperature:

Best at 15°C-25°C
Min. 10°C Max. 30°C

Humidity:

Best at 65-75% RH. Max. 80% RH.
Temperature in air and substrate must be 3°C above the current dew point

Surface residual moisture:

< 5% residual moisture

Drying/curing time at 23 °C & 75% RH):

light traffic after 24 hours,
fully cured after 7 days

Adhesion: >1.5 N/mm concrete failure
(Provide sufficient substrate strength)

Storage:

Store at +10°+25° C, tightly closed
and inaccessible to children

Shelf-life with proper storage:

At least 24 months after
production date (Batch no: yymmdd)

Mixing ratio: 1:1 (A:B) w/w

Kit sizes: 10 kg

Colours: Clear

MAL code - ready mix: 00-5

CLP symbols:



CLP signal word: Warning! Danger

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