

TDS and instruction

Profloor EW-Klar

Aqueous epoxy floor sealer

Item number 6680-S consisting of 6680-/612-2

Areas of application

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

Features and benefits

Profloor EW-Klar has good chemical resistance and helps to ensure that treated surfaces are easy to clean. EW-klar increases the wear resistance of the substrate by fastening and reinforcing it. Furthermore, EW-klar forms a slight film on the surface, which delays, and to some extent, prevents liquids and spills from entering the substrate. This also results in good beading effect of spilled liquids. Treatment with EW-Klar helps to enhance the natural colors of the substrate and makes it darker, as well as giving a wet-look effect.

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.

Mixing

EW-Klar is supplied in kits that reflect the mixing ratio. If not mixing whole kits, stir components till uniformity, then weigh in correct mixing ratio which is 3B:1A (w/w). The B component is the major component.

Mix with suitable mixing equipment, such as mixing propeller on stepless drill. Firstly, stir B-component till uniformity, then add the A-component and mix for 2 minutes. Keep mixing until a whiteish homogenous emulsion is achieved. Then, dilute with appropriate amount of water and mix again to ensure uniformity, before using. Avoid whipping air into the mixture.

Dilution

Dilute with 10-30% clean water, depending on current conditions and intended use. Dry and warm conditions, as well as absorbent substrates may call for more dilution than cool conditions or non-absorbent substrate. As sealer, dilute with 20-30% water, as lacquer dilute with 10-20% water.

Treatment

Apply mixed components with a paint roller. Consumption should be 120-150 grams/m²/coat. If substrate absorbs the applied amount quickly, an extra coat can be applied wet-on-wet, within 3 minutes.

Limitations

EW-Klar is not pore-filling and cannot be used as a binder for quartz, or for any kind of levelling/bridging.

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. In case of discrepancy between language versions, the danish version applies.

Type:

2-component aqueous epoxy sealer

Chemical base:

Epoxy resin and aqueous emulsified epoxy hardener

Density ready-mix at 23°C:

1 kg/l ISO 2811

Viscosity ready mix at 23°C:

Approx. 200 cP with 25% dilution

Hardness/shore D: N/A

Shelf life/pot life:

At 23°C up to 1 hour

Consumption:

0.15 kg/m²
depending on substrate and method

Dilution:

Water, 10-30%

Temperature: 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 +5°+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: 1A:3B w/w

Kit sizes: 8 kg

Colours: Clear

MAL code - ready mix: 00-5

CLP symbols: 

CLP signal word: Warning! Danger

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