

TDS and instruction

Profloor EW-SL

Aqueous permeable epoxy coating

Item number 663-S consisting of 602-3-/663-

Permeable, aqueous epoxy topcoat with long usage time.

Areas of application

Profloor EW-SL is used as an epoxy topcoat where a resistant, permeable, flat, and easy-to-clean topcoat is needed.

Features and benefits

Profloor EW-SL is particularly useful in places where ordinary epoxy coatings cannot be used due to the risk of rising moisture, e.g. on floors where there is no vapor barrier or where there is uncertainty about the build of the floor, such as basement floors and older concrete floors. Profloor EW-SL reduces frictional noise from car tyres. VOC-free and almost odorless. Very good flowability.

Flat and permeable finish, with good chemical and mechanical resistance.

Substrate

Clean, dry, grease-free and firm substrate of e.g. concrete, that has been primed with a suitable epoxy primer, such as Profloor EP-Primer 525, Profloor EP-UNI og Profloor EW-Primer. The primer should reflect the permeability needed.

The tensile strength of the substrate must be at least 1.5 N/mm².

Mixing

EW-SL comes in kits that reflect the mixing ratio.

If not mixing whole kits, the components must be stirred till homogeneity and then weighed in the correct mixing ratio, which is 6,5B:1A (w/w)

Mix with suitable mixing equipment, such as a mixing propeller on stepless drill.

Stir B-component till homogeneity, then add A-component and mix for 2 minutes.

Transfer mixture to a clean container and mix briefly again, before use.

Avoid whipping air into the mixture.

Note that the B component is the large component in this system.

Treatment

The temperature of material, substrate and surroundings must be 10°C-25°C.

If temperature or humidity is too high or too low, the flowability but but also the drying and curing process is affected, which can cause tarnished and uneven finish and gloss.

For slip-prevention and for filling, add up to 500 grams of quartz/1000 g EW-SL.

As a self-leveling topcoat, apply with a notched trowel. As an intermediate layer in multi-layered coatings, apply with a notched trowel, as topcoat on broadcast coatings, apply with a flat steel trowel. Backroll within 10 minutes after application.

Usage time

The time in which the mixed product can be used depends on temperature, amount of mixed material etc.

High temperatures shorten the usage time, which is normally 40 minutes at 23°C.

Consumption

EW-SL can be applied from 0,4-2,2 kg/m².

If used as selv-levelling coating, consumption is 2,5-3 kg/m².

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 dansih verison applies.

Type:

2-component aqueous epoxy coating

Chemical base:

The B component is an aqueous and pigmented epoxy hardener
The A component is an epoxy resin

Density at 23°C:

approx. 1.3 kg/l ISO 2811

Viscosity ready-mix at 23°C:

Approx. 3000 cP

Hardness/shore D:

> 40 D after 24 hours at 23°C

> 70 D after 7 days at 23°C

Pot-life at 23°C:

Approx. 40 minutes

Consumption:

Self-leveling 2-2.2 kg/m²

Thin coating from 0.4 kg/m²

Application temperature:

Developed for use at 15°-25°C

Min. +10°C - Max. +30°C

Humidity:

Max. 85% RH

temperature in air and substrate must be 3°C above current dew point.

Direct moisture/water on the surface i the curing time, may cause decreased strength in the finished coating.

Surface residual moisture:

< 5%

Next coat at 23°C and RH 85%

after min. 15 hours and max. 48 hours

Curing time at 23°C and RH 85%:

7 days

Adhesion:

> 1.5 N/mm concrete failure
(provided firm substrate)

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: 6,5:1 (B:A) w/w

Kit sizes: 22,5 kg

Colours: RAL 7042

MAL code: 00-5

CLP symbols:



CLP signal word: Warning!

Document date: 25-09-2024



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