Temafloor PU-UV

Beskrivelse

A high-solids, flexible and weather resistant two-component polyurethane coating.

Produktegenskaber og anbefalet brug

- Excellent resistance to UV
- Silent, does not shrink or crack
- Withstands mechanical and chemical stress
- Self-levelling, to be applied with serrated or steel trowel
- Intended to be used as a UV-resistant topcoat on Temafloor PU floors in parking decks and other areas exposed to direct sunlight

TEKNISK DATA

Volumen tørstof

approx. 90%

Massefylde

1.4 kg / litre (mixture)

Blandingsforhold

Base	2 parts by volume	Temafloor PU-UV
Hardener	1 part by volume	008 4001

Pot life(+23°C)

40 minutes on substrate, abt. 20 minutes in the mixing container.

Dækkeevne

Practical coverage depends on the porosity and evenness of the substrate and on the application method.

Film thickness 0.3mm coverage approx. 2.7 m²/litre
Film thickness 1.0mm coverage approx. 0.9 m²/litre

Tørretid (+23°C)

Dust dry after 6 hours
Light trucking after 24 hours
Fully cured after 7 days

At lower temperatures the curing process will last longer.

Rengøring af udstyr

Thinner 1061.

Glans

Glans.

Farver

TVT 0229. For request RAL 3001, RAL 3020, RAL 7032, RAL 7040 and RAL 7045.
The shade and gloss of the coating may change during time

Fortyndingsinstruktioner

Do not thin Temafloor PU-UV polyurethane coating.

VOC

VOC 2004/42/EC (cat A/j) 500 g/l (2010)
Temafloor PU-UV: max. VOC < 500 g/l

Emballagestørrelser

10,0 L, 20,0 L

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PÅFØRINGSINSTRUKSER

Forbehandling

New concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

Old concrete: Remove all grease, oil, chemicals and other impurities by Maalipesu detergent. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.

Earlier painted surfaces: Grind the surface. Remove dust and loose particles from the floor. Remove all grease, oil and other impurities by detergent washing.

Påføringsforhold

The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below +15ºC during application or drying. Relative humidity of air should not exceed 70%.

Blanding af komponenter

First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 2 minutes to get homogenous mixture) by using a low speed industrial hand drill with a paddle. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the coating and risk the success of the application.

Priming

Prime using Temafloor 400 epoxy varnish thinned 30–50% with Thinner 1029 or Fontefloor EP Primer epoxy varnish thinned about 20-50% with water. Pour the primer onto the floor and apply as much as is needed to impregnate the concrete surface. If necessary, repeat priming to get a non-porous surface. A porous priming coat will result in holes and air bubbles in the finished coating. Subsequent treatment can be carried out after 2 hours using "wet-on-wet" technique.

Asphalt floors should be primed by applying unthinned Temafloor PU with a suitable steel or rubber trowel.

Scatter sand of grain size Ø 0,1–0,6 mm on the fresh primer coat to ensure the screed adhesion. Remove loose sand with vacuum cleaner before coating with Temafloor PU-UV.

Lapning

Patch pot-holes and cracks with unthinned Temafloor 400 epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of epoxy mixture and 1–2 parts by volume of sand of grain size Ø 0.1–0.6 mm. Sand the patched areas before overcoating, if necessary.

Note! Concrete surface should always be primed before patching.

Topcoating

Overcoating may be carried out not earlier than 24 hrs after coating with Temafloor PU. If the primed surface is not overcoated within 24 hrs, it should be abraded. Pour the mixture onto the floor and apply it with a trowel and level with a roller.
Control that the thickness of layer is correct by observing coating consumption and by measuring the film thickness. Recommended layer thickness is 0.3–1.0 mm. Use spiked roller to finish the surface approx. 10–20 min after application. Spiked roller helps removing air bubbles from the coating.

Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.

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HELBRED OG SIKKERHED

Emballagen er udstyret med sikkerhedsmærkater, som skal bemærkes. Yderligere information om farlige bestanddele og beskyttelse er nærmere beskrevet i individuelle helbreds- og sikkerhedsblade. Helbreds- og sikkerhedsdatablad kan fås ved henvendelse til Tikkurila.

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