

Temafloor P300

Beskrivelse

A two-component, solvent-free epoxy coating.

Produktegenskaber og anbefalet brug

- Good resistance to abrasion
- Withstands water, oils, greases, chemicals and dilute solutions of non-oxidizing acids, alkali and salt solutions. Resists only temporary splashes of oxidizing acids and bleaching chemicals. A separate chemical resistance table available
- Withstands +70°C dry heat and +60°C in immersion. Does not resist abrupt, great or repeated changes of temperature
- Self-levelling coating
- Temafloor Flex hardener makes the paint surface flexible and thus more resistant to cracking of concrete
- Also RAL EFFECT metallic colour shades are available
- For new and old concrete floors exposed to heavy mechanical and chemical stress in industrial and storage facilities, repair shops; e.g. process or paper machine units and corridors. Also for car parks, garages, business premises, shopping centres, restaurants and cafe's

TEKNISK DATA

Volumen tørstof

approx. 100%

Massefylde

1.4 kg / l (mixture).

Blandingsforhold

Base	4 parts by volume	Temafloor P300
Hardener	1 part by volume	008 4514
or		
Paint	2 parts by volume	Temafloor P300
FLEX hardener	1 part by volume	930 5002

Pot life(+23°C)

20–30 minutes on substrate, approx. 15 minutes in the mixing container.

Dækkeevne

Coverage on concrete floors is on the average:
 Film thickness 0.3 mm coverage approx. 3 m²/litre
 Film thickness 0.5 mm coverage approx. 2 m²/litre
 Practical coverage depends on the porosity and evenness of the substrate and on the application method.

Tørretid (+23°C)

Dust dry after 6 hours
 Light trucking after 16 hours
 Fully cured after 7 days
 At lower temperature the curing process will last longer. With Temafloor FLEX hardener the curing times are a little longer than with standard hardener.

Rengøring af udstyr

Thinner 1029 or 1031.

Glans

Helblank.

Farver

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting. Also metallic shades are available

Fortyndingsinstruktioner

Do not thin Temafloor P 300 epoxy coating.

Brandklasseficering

B_{FL}-s1 according to standard EN 13501-1.

VOC

VOC 2004/42/EC (cat A/j) 500 g/l (2010)
 Temafloor P300: max. VOC < 500 g/l

Emballagestørrelser

3,0 L, 10,0 L, 20,0 L, 200,0 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 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.

If cementitious screed is used, check compatibility with the levelling screed manufacturer.

Påføringsforhold

The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below +15°C during application or drying. Relative humidity of air should not exceed 80%.

Note! There is a natural tendency of this coating to chalk, discolor or yellow unevenly. It is recommended to use polyurethane topcoat when there are high aesthetical requirements on color appearance.

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 200, Temafloor 400 or Temafloor 220W epoxy varnish thinned 20–50% with Thinner 1029 or Fontefloor EP Primer epoxy varnish thinned 20–50% with water. Pour the varnish mixture 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.

Lapning

Patch pot-holes and cracks with Colofill putty or a mixture of unthinned Temafloor 200 Primer epoxy varnish or Temafloor P 300 epoxy coating and dry, clean sand. Mixing ratio e.g. 1 part by volume of varnish mixture and 1–2 parts by volume of sand of grain size 0.1–0.6 mm. Sand the patched areas before overcoating, if necessary.

Note! Concrete surface should always be primed before patching.

Topcoating

Overcoating should be done within 6–24 hrs after priming with unthinned Temafloor P300. 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 film thickness is 0.3–0.5 mm. It is recommended to apply two thin layers with minimum DFT 0.3 mm. Use spiked roller to finish the surface approx. 10–20 min after application. Spiked roller helps removing air bubbles from the coating.

Temafloor P300 metallic shades can be applied with a brush, roller or airless spray. Using a roller with different colour shades produces a vivid surface with a metallic shine effect. Recommended film thickness is 0.5–1.0 mm.

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EN 13813

CE	
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TIK-0167-5001b	
EN 13813 SR-RWA1-B2,0-IR4	
slagfasthed	IR4
frigivelse af ætsende stoffer	SR

EN 1504-2:2004

CE	
0809	
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0809-CPD-0773	
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EN 1504-2:2004	
CO2 permabilitet	NPD
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