

Temafloor 3000

Beskrivelse

A solvent-free epoxy resin screed. The screed is prepared by adding sand to Temafloor P300 epoxy coating mixture.

Produktegenskaber og anbefalet brug

- Excellent resistance to abrasion.
- Withstands water, oils, greases, chemicals and diluted solutions of non-oxidizing acids, alkali and salt solutions. Resists only temporary splashes of oxidizing acids and bleaching chemicals. 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. Can be used for floors with a max. slope of 5%.
- Temafloor Flex hardener makes the paint surface flexible and thus more resistant to cracking of concrete and improves the impact resistance
- For new and old concrete floors exposed to heavy mechanical and chemical stress in industrial facilities, warehouses and repair shops; e.g. process or paper machine units, corridors and other floors subjected to high point loadings

TEKNISK DATA

Volumen tørstof

approx. 100%

Massefylde

1.8–2.0 kg / litre (mixture), depending on the grain size and amount of sand.

Blandingsforhold

25 litres of Temafloor P 300 filled with sand using the above mixing ratios give approx. 36 and 44 litres of Temafloor 3000 epoxy screed ready for use. Reduce the amount of sand, if the temperature of screed, sand and ambient air is below +20°C.

Pot life(+23°C)

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

Dækkeevne

For a flat substrate: 1 mm layer: 1 litre ready for use screed / m²
2 mm layer: 2 litres ready for use screed / m²
4 mm layer: 4 litres ready for use screed / m²
Practical coverage depends on the evenness of the substrate.

Tørretid (+23°C)

Dust dry after 6 hours
Light trucking after 24 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 006 1029 or 006 1031.

Glans

Højglans.

Farver

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting

Fortyndingsinstruktioner

Do not thin Temafloor 3000 epoxy screed.

Brandklasseficering

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

VOC

VOC 2004/42/EC (cat A/j) 500 g/l (2010)
Temafloor 3000: max. VOC < 500 g/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.

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. Add filler to the mixture mixing carefully at the same time. Use dry, clean natural or quartz sand as a filler. Wet sand will result in air bubbles and decreased gloss in the finished screed. 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.

Påføring

Adjustable or steel trowel or spiked roller.

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 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 epoxy 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.

Belægning

The screed may be applied not earlier than 6 h (+23°C) and not later than 24 h after priming and patching. If the primed surface is not overcoated within 24 hrs, it should be abraded. Pour the screed mixture onto the floor and apply it with an adjustable trowel. When using a flat-bladed steel trowel, control that the thickness of layer is correct by observing screed consumption and by measuring the film thickness. 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 screed, do not scrape it out of the container onto the floor.

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samlinger (jernet)

When you apply screed on large areas, place working joints in line with pillars, expansion joints, gullies etc. Make working joints and trimmings by using a wide masking tape. Apply the screed on the masking tape and remove after levelling with a spiked roller. When continuing application mask the edge of the already hardened layer of screed and remove the tape after application and levelling with a spiked roller.

HELBRED OG SIKKERHED

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Kun til industriel og professionel brug.

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EN 13813

CE	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
11	
TIK 8400-5011b	
EN 13813 SR-RWA1-B2,0-IR 4	
slagfasthed	IR4
frigivelse af ætsende stoffer	SR

EN 1504-2:2004

CE	
0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
13	
0809-CPD-0773	
TIK 8400-5011a	
EN 1504-2:2004	
CO2 permabilitet	SD > 50 m
slagfasthed	Klasse I: ≥ 4 Nm