

Fontefloor PU Cem 6-9

Beskrivelse

A solvent-free, water-borne hybrid polyurethane concrete mortar flooring for extreme service conditions.

Produktegenskaber og anbefalet brug

- Combination of high chemical, mechanical and fluctuating thermal resistance. Fontefloor PU Cem is a seamless heavy duty flooring system resisting wide range of chemicals, abrasion and thermal shocks. The product is an ideal solution for extreme service conditions
- Excellent resistance to hot water and permanent water loading. Fontefloor PU Cem 6-9 withstands repeated spillage of hot and cold liquids up to +120°C. Therefore the product is most suitable for e.g. food and beverage industry
- Non-absorptive & impermeable. Fontefloor PU Cem 6-9 does not absorb or penetrate any liquids or dirt, thus making it easy to clean. The product is a perfect choice for surfaces with high demand of hygiene
- Resists constant temperatures from -20°C to +90°C depending on layer thickness
- Designed to be used in food industry, especially when chemical resistance and resistance to organic acids is required

TEKNISK DATA

Volumen tørstof

100%

Massefylde

2.10 kg / l (mixture)

Pot life(+23°C)

At +20°C: approx. 15 minutes

Dækkeevne

For a flat substrate:

6 mm: approximately 13–14kg/m²

9 mm: approximately 19–20kg/m²

Practical coverage depends on the evenness of the substrate.

Tørretid (+23°C)

Foot traffic after 8 hours

Light trucking after 24 hours

Fully cured after 7 days

At lower temperature the curing process will last longer.

Rengøring af udstyr

Cleaning of equipment with Thinner 1061. Equipment should be cleaned immediately after use before the mortar has dried.

Glans

Matt. Sunlight will affect on the shade and the gloss of the varnish in the long run.

Farver

Red, green, buff, grey and crème.

Fortyndingsinstruktioner

Do not thin Fontefloor PU Cem 6-9.

VOC

VOC 2004/42/EC (cat A/j) 140 g/l (2010)

Fontefloor PU Cem 6-9: max. VOC < 140 g/l

Emballagestørrelser

3,0 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.

Cementitious levelling screed

Check compatibility with the levelling screed manufacturer.

Polymer modified screed

Check compatibility with the polymer modified screed manufacturer.

Påføringsforhold

The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should be between +12°C–+25°C during either application or drying. Relative humidity of air should not exceed 80%.

Blanding af komponenter

Mix the correct proportions of parts A and B thoroughly approx. 30 s by using a hand drill with a paddle, concrete mixer or power mixer. Add parts C and D to the mixture and mix approximately 3 minutes until the mixture is homogenous. Ensure that the mixture is homogenous and use it immediately after mixing.

Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the screed and risk the success of the application.

Priming

Prime with unthinned Fontefloor PU Primer or Fontefloor PU Cem 2. Pour the mixture onto the floor, apply with a long haired roller or steel trowel. Scatter sand of grain size 1.0–1.8 mm at approx. 150 g/m² on the fresh primer coat to ensure the screed adhesion and prohibit gliding of the screed.

Lapning

Patch pot-holes and cracks with Fontefloor unthinned PU Cem 2 or Temafloor 400 epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of epoxy or PU Cem 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.

Topcoating

Overcoating should be done within 12–48 hours after priming. Pour the mixture onto the floor and apply with a pin rake or trowel to desired thickness.

Opbevaring

Under cover and free of the ground, in dry conditions above +5°C and below +25°C. This is particularly important for the part C. Protect from frost even during transport.

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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EN 13813:2002

CE	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
17	
TIK-6629-5001b	
EN 13813:2002	
slagfasthed	IR4
frigivelse af ætsende stoffer	SR

EN 1504-2:2004

CE	
1119	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
17	
TIK-6629-5001a	
EN 1504-2:2004	
CO2 permabilitet	SD > 50 m
slagfasthed	Klasse I: ≥ 4 Nm