

Fontefloor EP 100

Beskrivelse

A two-component water-borne epoxy paint.

Produktegenskaber og anbefalet brug

- For painting of new, old and earlier painted concrete surfaces
- Also suitable for painting of concrete walls
- Fontefloor EP 100 belongs to emission class M1 for building materials
- Fulfills the decontamination test requirements (FRP < 15 000) according to the standard ISO 8690:1988 (STUK-YTO-TR-210)
- Recommended for coating of floors exposed to moderate chemical and mechanical stress in industrial facilities, warehouses, repair shops etc

TEKNISK DATA

Volumen tørstof

approx. 58%

Massefylde

1.3 kg / l (mixed).

Blandingsforhold

Base	3 parts by volume	Fontefloor EP 100
Hardener	1 part by volume	008 4571

Pot life(+23°C)

Approx. 50min after mixing.

Dækkeevne

Coverage on concrete floors is on the average:

Priming 5–7 m²/l

Finishing 7–10 m²/l

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

Tørretid (+23°C)

Dust dry after 6 hours

Recoat after 16 hours

Fully cured after 7 days

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Fortyndere

Vand

Rengøring af udstyr

Water. Equipment should be cleaned immediately after use before the paint has dried.

Glans

Blank.

Farver

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. AVATINT tinting system

VOC

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

Fontefloor EP 100: max. VOC < 140 g/l

Emballagestørrelser

3,0 L, 10,0 L

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PÅFØRINGSINSTRUKSER

Forbehandling	New concrete: Remove laitance by power grinding 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. 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.
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. 3 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 25% thinned Fontefloor EP 100, Fontefloor EP Primer or Temafloor 220W. Always add the water needed to a ready mixture and stir thoroughly. Pour the mixture onto the floor, apply with a rubber trowel and level with a roller. 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.
Lapning	Patch pot-holes and cracks with a mixture of unthinned Fontefloor EP Primer 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 16–48 hrs after priming. If the primed surface is not overcoated within 48 hrs, it should be abraded. Thin the paint 25% with water. Pour the mixture onto the floor and apply it with a trowel and level with a roller. The total dry film thickness of the paint film should be approx. 100µm applied in two layers. Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.
Vægge	For painting of walls thin Fontefloor EP 100 epoxy paint 5–10% with water. Airless spray nozzle tip 0.013"–0.017" and pressure 160–180 bar.
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.

Kun til industriel og professionel brug.



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EN 1504-2:2004

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TIK-035V-5001	
EN 1504-2:2004	
CO2 permabilitet	$s_D > 50 \text{ m}$
slagfasthed	Klasse I: $\geq 4 \text{ Nm}$
kapillar optagelse og permabilitet for vand	$w < 0,1 \text{ kg/m}^2 \cdot h^{0,5}$
slidstyrke	$< 3000 \text{ mg}$
Reaktion på ild	B_{fl-s1}
vedhæftningsstyrke ved pull-off test	$\geq 2,0 \text{ N/mm}^2$
Frigivelse af farlige substanser	NPD
vanddamps permabilitet	Klasse I, $s_D < 5 \text{ m}$
Resistent mod svær kemisk angreb	Class II