

Fontefloor EP CLEAR

Water-borne epoxy varnish

Fontefloor EP Clear is a two-component, water-borne epoxy lacquer, which can be used on top of painted concrete floors or walls, and also as a dust-binding varnish.

The varnish is recommended for moderate mechanical or chemical stresses in industrial facilities, warehouses, repair shops, hospitals or other pharmaceutical or healthcare premises. Its odorless properties make it products environmentally friendly and easy to use.

Epoxy varnish protects Design floors as a part of the paint system. Different special effects give floors a completely new look in public places, such as restaurants, cafes, shopping malls and business areas. Design flooring can also be used in class rooms or other offices.

- Recommended film thickness 0.05-0.1mm
- Varnish improves the cleanability of floors
- Varnish is vapour-permeable
- User- and environmentally-friendly
- CE marked.



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REQUIRED PROPERTIES OF CONCRETE

The concrete floor structure must be of sufficient quality to withstand the necessary preparation measures, ensure proper adhesion of the coating and endure the stress caused by the floor's intended use.

APPLICATION

Remove dust and loose particles from floor. Remove all grease, oil and other impurities by washing with detergent. Top lacquering should be performed with unthinned Fontefloor EP Clear. The amount of layers depends on the surface-specific requirements. Slipperiness of the painted surface can be reduced by adding Tikkurila Non-Slip Agent to the varnish. This will increase roughness of the surface. Fontefloor EP Clear can be also used for Design and Mosaic floor paint systems.

In cases where Fontefloor EP Clear is used as a dust-binding varnish, it should be thinned by 5-10%.

More detailed instructions, product descriptions and assistance for planning is provided by Tikkurila's sales personnel.

Technical data (+23 °C, RH 50%)

Film thickness	0,05–0,1 mm
Density (mixture)	1,1 kg/l
Solids volume	23 %
Drying time	16 hrs
Fully cured	7 days
Max. RH in concrete	<97 %
Application temperature	+15 °C to +35 °C
Adhesion, EN ISO 4624	>2,0 MPa
Impact resistance, EN ISO 6272-1	≥4 Nm (Class I)
Capillary absorption and permeability to CO ₂ , EN 1062-3	w < 0,1 kgm ⁻² h ^{-0,5}
Vapour permeability, EN ISO 7783-2	Class I
Abrasion resistance, EN ISO 5470-1	≤ 3000 mg (H22, 1000 g, 1000 rounds)
Chemical resistance, EN ISO 13529	Class II

