

TEKNOFLOOR AQUA 110F

Concrete paint and varnish

TEKNOFLOOR AQUA 110F concrete paint is a water-based, two-pack epoxy paint. It provides a glossy, hard, flexible and abrasion resistant film.

TEKNOFLOOR AQUA 110F is used on concrete floors. Other areas of use are walls in humid conditions and industrial areas, i.e. surfaces that require a durable, dense and easy-to-clean coating. The paint can also be applied to cement plaster, brick and hard construction board surfaces. Examples of applications are saunas, wash rooms, cellars etc.

TEKNOFLOOR AQUA 110F has a good abrasion resistance. It withstands water, petrol, oil, grease, even strong lye solutions, splashes of solvents and temporary action by weak acids. TEKNOFLOOR AQUA 110F does not impart taste or odour to foodstuffs. It dries fast, so as well the priming and top coating can be done in one working day. TEKNOFLOOR AQUA 110F is suitable for use in food preparation and packaging environments (Smithers Rapra, Certificate Number GC0068). Water-vapour permeability of TEKNOFLOOR AQUA 110F concrete paint fulfils the requirement of standard EN ISO 7783-1 class I, sD < 5 m.

TECHNICAL DATA

CE marking, M1 classification, Smithers Rapra
Concrete
Ероху
45 ±2% by volume
Approx. 650 g/l
Approx. 20 g/l (DIRECTIVE 2010/75/EU)
The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Depending on the roughness and absorbency of the surface. Standard value for a steel-trowelled, surface-ground concrete floor: 1. application 4 - 6 m²/l 2. application 7 - 9 m²/l
Base paints 1, 2 and 3 and standard colours: TM 114, RAL 7038. Also available as a clear varnish.
Teknomix
Gloss
Comp. B: TEKNOFLOOR AQUA HARDENER 110H
1:1 parts by volume
1h 30 min.
Water.





Storage

DIRECTION FOR USE

Surface preparation

The storage stability is shown on the label. Must be stored tightly closed and kept cool. Must not freeze.

NEW CONCRETE SURFACES: The concrete must be at least 4 weeks old and well-hardened so that all moisture from casting is bound and the surface dry. The moisture of the concrete must not exceed 97% as relative humidity or 4% by weight (by 54 / BLY 12).

Dense laitance is to be removed from steel-trowelled concrete by surface grinding or etching. Surface grinding is good method to remove laitance. It is usually done on new industrial floors as wet grinding in connection with casting. Brittle and powdery top layers are treated so that the solid concrete containing aggregate is exposed. Thereafter all cement dust is removed by vacuum cleaner or brush.

Use etching if sanding is not possible. Etching is to be done with RENSA ETCHING etching liquid. Rinse the floor with water after etching and allow to dry.

OLD CONCRETE SURFACES: Uncoated, greasy floors are cleaned by emulsion wash. After the emulsion wash possible laitance is removed by diamond grinding or etching. Flaking old paint coats and laitance can be removed by diamond grinding.

TEKNOFLOOR AQUA 110F can be applied over other types of paint, provided that the old paint has good adhesion to the surface. If the floor will be attacked by water, e.g. in saunas and wash rooms, the surface should be roughened up by grinding. After this the floor is washed and rinsed.

TEKNOFLOOR-KOVAKITTI is used for partial or entire stopping up of the surface and filling of holes. Smooth down the stopped-up areas at the earliest after 8 hours (at +23°C).

Application method

Airless spraying, Brush, Roller



Application	MIXING OF THE COMPONEN immediately before use and it is homogenous. If the quar rotating hand drilling machin results in imperfect curing ar used within 1½ h from mixing Apply two coats to new conc - 10% water. Apply the paint sealed. Apply by brush, short-piled n	stir thoroughly. Stir the b ntity of the mixture is more not impaired film propertie g. After this the mixture is crete floors. Dilute the pai generously so that the pai	ase before mixing so that re than 1 liter, use a slow- ncorrect mixing ratio es. Ready paint is to be a unfit for use. Int for priming by adding 5 prous concrete surface is	
	size 0.015 - 0.018".			
Application conditions	The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +10 °C and the relative air humidity below 70%. When needed arrange effective ventilation or drying, so that during the application and at least for the first 12 hours of the drying process the relative air humidity will be below 70%.			
		Additionally, the temperature of the surface to be treated and the product must		
	be at least +3°C above the d	•		
Thinning	The paint is diluted by water, which is added to the ready paint mixture.		ady paint mixture.	
Drying time	Solvents must not be used for diluting! +23°C / 50% RH			
- dust free	1 h (ISO 9117-3:2010)			
- fit for light traffic	4 h 7 d			
- fully cured				
	The drying time is as previou	Isly mentioned when the	temperature of the	
	product as well as air and su		•	
Overcoatable		by if	tself	
	surface temperature	min.	max.*	
	+10°C	12 h	7 d	
	+23°C	4 h	7 d	
	* Maximum overcoating inter Increase in film thickness and space usually slow down the	d rise in the relative humi	dity of the air in the drying	
Cleaning	Water and synthetic washing	, 01	nent immediately after	
	use.			
HEALTH AND SAFETY				
Safety and precaution measures	See safety data sheet.			

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CE			
0809			
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Declaration of Performance No. 0008			
0809-CPR-1063			
EN 1504-2:2004			
Surface protection products – Coating			
Physical resistance (5.1)			
Abrasion resistance	Requirement: Weight loss less than 3000 mg		
Capillary absorption and permeability to water	Requirement: w < 0,1 kg/m² x √h		
Impact resistance	Class I: > 4 Nm		
Adhesion strength by pull-off test	Requirement: Rigid system with trafficking: ≥ 2,0 (1,5) N/mm²		
Dangerous substances	See safety data sheet		

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