

EPOXY COATING SYSTEMS

L40

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Coating systems for treating concrete surfaces. Water-borne epoxy paint or varnish is used for priming and top coating.

Treatment systems 65301 and 64601 according to MaalausRYL 2012 (Finnish hand-book "MaalausRYL 2012" concerning general quality requirements and treatment systems of paint work).

COATING SYSTEMS

	Code MaalausRYL 2012 System code according to PSK 2703 Pretreatment code according to PSK 2703	L40a/M 65301 FS1.3 EP100-D/GD1 GD1	L40b/L 64601 FS1.1 EP50-D/GD1 GD1
Paint			
TEKNOFLOOR AQUA 110F concrete paint		priming	–
TEKNOFLOOR AQUA 110F concrete varnish		–	priming
TEKNOFLOOR AQUA 110F concrete paint		1 x 50 µm	–
TEKNOFLOOR AQUA 110F concrete varnish		–	1 x 50 µm
Total film thickness		50 - 100 µm	abt. 50 µm

USAGE Concrete floors subjected to slight or medium mechanical strain in dry spaces.
Concrete floors subjected to slight mechanical strain in damp spaces.

SURFACE PREPARATION

Surface preparation method is usually grinding or etching. Detailed instructions can be found in the technical data sheets of the mentioned products.

APPLICATION The surface to be painted must be clean. Coating system L40 is also suitable for slightly moist concrete. The base of the paint must be mixed until homogenous before use. The base and the hardener are carefully mixed in right proportion given in the table on page 2 and on the label of the paint. Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time.

The technical data of the paints and varnishes are given in the table on page 2 and in the data sheets of the products.

TECHNICAL DATA

Paint	TEKNOFLOOR AQUA 110 F concrete paint	TEKNOFLOOR AQUA 110 F concrete varnish	
Technical data sheet no.	1247	1247	
Paint type	water-borne epoxy reaction paint	water-borne epoxy reaction varnish	
Mixing ratio - base parts by vol. - hardener parts by vol.	1 1	1 1	
Pot life, +23 °C	1 ½ h	1 ½ h	
Solids % by volume	abt. 45	abt. 45	
Total mass of solids g/l	abt. 650	abt. 650	
Volatile organic compound (VOC) g/l	abt. 20	abt. 20	
Spreading rate m ² /l	4 - 6	4 - 6	
Drying time - fit for light traffic, +23 °C - overcoatable	after 24 h by itself:	after 24 h by itself:	
	+10 °C	+23 °C	+10 °C
min.	after 12 h	after 4 h	after 12 h
max.	after 7 d	after 7 d	after 7 d
Thinner, clean up	water	water	
Colours	TEKNOFLOOR Colour Chart, Teknomix tinting	clear	
Finish	gloss	gloss	
Methods of application	brush, roller, airless spray	brush, roller, airless spray	
Application conditions - min. temperature °C - max. relative humidity %	+10 70	+10 70	

MAINTENANCE PAINTING

Old coating is cleaned from dirt and grease and sanded matt. Sections where the coating has worn off or detached, are pretreated and primed over again. The floor is coated once according to the instructions in the technical data sheet. Treatment systems 65301 and 64601 according to MaalausRYL 2012.