

# EPOXY COATING SYSTEMS

# L44

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Coating systems for treating concrete surfaces. Epoxy varnish is used for priming and solvent-free, self-levelling epoxy coating for top coating. Treatment system 66101 (L44/b) according to MaalausRYL 2012 (Finnish handbook "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 Paint	L44/a - FS2.1 EP250-D/GD2 GD2	L44/b 66101 FS3.1 EP500-D/GD2 GD2
TEKNOFLOOR PRIMER 310F epoxy varnish	priming	priming
TEKNOFLOOR 500F epoxy coating	1 x 250 µm	1 x 500 µm
Total film thickness	abt. 250 µm	abt. 500 µm

## Painting of damp concrete

TEKNOFLOOR PRIMER 306F epoxy varnish must be used for priming if the moisture of the concrete surface to be painted exceeds 97 % as relative humidity.

In that case the system codes according to PSK 2703 are:

L44/a: FS2.1 EP250-W/GD2

L44/b: FS3.1 EP500-W/GD2.

## USAGE

Damp spaces within pulp, paper and chemical industry, floors and storages within heavy industry.

## SURFACE PREPARATION

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

## APPLICATION

The surface to be painted must be clean and dry (the moisture of the concrete must not exceed 97% as relative humidity or 4% by weight). The base of the coating 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 PRIMER 310F epoxy varnish	TEKNOFLOOR 500F epoxy coating		
Technical data sheet no.	1202	1237		
Paint type	solvent-free epoxy varnish	solvent-free epoxy coating		
Mixing ratio - base parts by vol. - hardener parts by vol.	2 1	10 3		
Pot life, +23 °C - kept in the vessel min - poured out on the floor min	10 20	10 – 15 30 – 60		
Solids % by volume	abt. 100	abt. 100		
Total mass of solids g/l	abt. 1100	abt. 1200		
Volatile organic compound (VOC) g/l	abt. 0	abt. 0		
Spreading rate m <sup>2</sup> /l	3 - 6	2 - 4		
Drying time - fit for light traffic, +23 °C - overcoatable	after 16 h		after 16 h	
	by itself or with TEKNOFLOOR 500F		by itself	
	<b>+10 °C</b>	<b>+23 °C</b>	<b>+10 °C</b>	<b>+23 °C</b>
	min. after 18 h	after 4 h	after 24 h	after 16 h
max. after 48 h	after 24 h	after 48 h	after 24 h	
Thinner, clean up (the coating is not to be thinned!)	TEKNOSOLV 9506 or TEKNOSOLV 9515	TEKNOSOLV 9506		
Colours	-	Certain colours of the RAL Colour Card		
Finish	full gloss	full gloss		
Methods of application	brush, roller	dentated trowel, roller		
Application conditions - min. temperature °C - max. relative humidity %	+10 80	+10 80		

**MAINTENANCE PAINTING**

Old coating is cleaned from dirt and grease and sanded matt. Cavities and crevices are filled. 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 system 66101 (L44/b) according to MaalausRYL 2012.