

EPOXY MASS SYSTEMS

L46

3 25.3.2014

Coating system for treating concrete surfaces. Epoxy varnish is used for priming and solvent-free, self-levelling epoxy mass for top coating. Treatment system 66201 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	L46 66201 FS4.1 EP2000-D/GD2 GD2
TEKNOFLOOR PRIMER 310F epoxy varnish	priming
TEKNOFLOOR 500F epoxy coating + sand mixture	1 x 2 mm
TEKNOFLOOR 500F epoxy coating + sand mixture	–
Total film thickness	n. 2 mm

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 code according to PSK 2703 for system L46 is: FS4.1 EP2000-W/GD2.

USAGE

Floors subjected to heavy strain within pulp, paper and chemical industry as well as print shops, car repair shops and dry spaces within food industry.

SURFACE PREPARATION

Surface preparation method is usually grinding, scarifying 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, the sand 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 + sand mixture, 2 mm
Technical data sheet no.	1202	1237
Paint type	solvent-free epoxy varnish	solvent-free epoxy coating
Mixing ratio - base - hardener - quartz sand 0.05-0.5 mm or natural sand 0.1-0.6 mm Ready mixture	2 parts by volume 1 part by volume	9 liters 2.7 liters 12 liters - abt. 18 liters
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 ² /l	3-6	2-2.5
Drying time - fit for light traffic, +23 °C - overcoatable	after 16 h by itself or with TEKNOFLOOR 500F	after 16 h
min.	+10 °C after 18 h	+23 °C after 4 h
max.	after 48 h	after 24 h
Thinner, clean up (the mass 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	adjustable trowel, porcupine roller
Application conditions - min. temperature °C - max. relative humidity %	+10 80	+10 80

MAINTENANCE PAINTING

Old mass is cleaned from dirt and grease and sanded matt. Cavities and crevices are filled. Sections where the mass has worn off or detached, are pretreated and primed over again. The floor is coated according to the instructions in the technical data sheet. Treatment system 66201 according to MaaalausRYL 2012.