TERRAZZO COATING SYSTEM

L55

3 25.3.2014

Coating system for treating concrete surfaces. Epoxy varnish is used for priming and solvent-free, self-levelling epoxy coating, vinyl flakes and epoxy varnish for top coating.

COATING SYSTEM

Code System code according to PSK 2703 Pretreatment code according to PSK 2703 Paint	L55 – GD2
TEKNOFLOOR PRIMER 310F epoxy varnish	priming
TEKNOFLOOR 500F epoxy coating	1 x 300 - 500 µm
vinyl flakes	strewing abt. 30 - 70 g/m²
TEKNOFLOOR 300F epoxy varnish	2 x top coating
Total film thickness	400 - 600 µm

Also TEKNOFLOOR AQUA 110F epoxy varnish can be used for top coating.

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.

USAGE

Shops, laboratories, corridor and hall spaces.

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. Vinyl flakes are strewn on freshly applied coating in order to achieve the desired appearance. After the coating has dried, the surface is varnish twice to improve wear resistance.

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

PTO

TECHNICAL DATA

Paint	TEKNOFLOOR PRIMER 310F epoxy varnish		TEKNOFLOOR 500F epoxy coating		TEKNOFLOOR 300F epoxy varnish	
Technical data sheet no.	1202		1237		1203	
Paint type	solvent-free epoxy varnish		solvent-free epoxy reaction coating		solvent-free epoxy varnish	
Mixing ratio - base parts by vol. - hardener parts by vol.	 2 1		 10 3		 2 1	
Pot life, +23°C - kept in the vessel min - poured out on the floor min	 10 20		 10 - 15 30 - 60		 10 30 - 40	
Solids % by volume	abt. 100		abt. 100		abt. 100	
Total mass of solids g/l	abt. 1100		abt. 1200		abt. 1100	
Volatile organic compound (VOC) g/l	abt. 0		abt. 0		abt. 0	
Spreading rate m²/l	3 - 6		2 - 3		7 - 10	
Drying time - fit for light traffic, +23°C - overcoatable	after 16 h by itself or with TEKNOFLOOR 500F		after 16 h with TEKNOFLOOR 300F		after 16 h by itself	
	+10°C	**+23°C**	**+10°C**	**+23°C**	**+10°C**	**+23°C**
min.	after 18 h	after 4 h	after 24 h	after 16 h	after 24 h	after 6 h
max.	after 48 h	after 24 h	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		TEKNOSOLV 9506 or TEKNOSOLV 9515	
Colours	-		Certain colours of the RAL Colour Card		-	
Finish	full gloss		full gloss		full gloss	
Methods of application	brush, roller		dentated trowel, roller		brush, roller	
Application conditions - min. temperature °C - max. relative humidity %	 +10 80		 +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 and varnished according to the instructions in the technical data sheet.