



# TEKNOFLOOR PRIMER 306F-01

## Epoxy Varnish

<b>VARNISH TYPE</b>	TEKNOFLOOR PRIMER 306F-01 is a two-pack epoxy varnish for concrete floors.												
<b>USAGE</b>	TEKNOFLOOR PRIMER 306F-01 Epoxy Varnish is used for priming concrete floors when using epoxy coating and compositions. It can also be used for protection against dirt on new concrete floors while installing machinery etc. The actual coating is generally done after installations.												
<b>SPECIAL PROPERTIES</b>	TEKNOFLOOR PRIMER 306F-01 Epoxy Varnish can be used on fresh concrete that is 2 - 3 days old. The varnish is resistant to water, chemicals, oil, grease and gasoline. Abrasion resistance is excellent.  TEKNOFLOOR PRIMER 306F-01 Epoxy Varnish can be used instead of materials that prevent water from evaporating from fresh concrete surfaces.												
<b>APPROVALS</b>	The product has CE approval for protection of concrete structures. Additional information: see page 3: "CE MARKING".												
<b>TECHNICAL DATA</b>													
<b>Mixing ratio</b>	Base (Comp. A): Hardener (Comp B): TEKNOFLOOR PRIMER HARDENER 306H-01	2 parts by volume 1 part by volume											
<b>Pot life, +23 °C</b>	abt. 30 - 40 min (mixture kept in a vessel)												
<b>Solids</b>	100 % by volume												
<b>Total mass of solids</b>	abt. 1100 g/l												
<b>Volatile organic compound (VOC)</b>	abt. 0 g/l												
<b>Spreading rate</b>	Depending on surface roughness and porosity. The standard rate for a steel-trowelled, blast-cleaned concrete floors is 3 - 6 m <sup>2</sup> /l.												
<b>Drying time at +23°C / 50% RH - fit for light traffic</b>	after 16 h  The drying time is as previously mentioned when the temperature of the product as well as air and surface is +23°C.												
	<table border="1"> <thead> <tr> <th rowspan="2">surface temperature</th> <th colspan="2">by itself, TEKNOFLOOR 400F, TEKNOFLOOR 500F or TEKNOFLOOR 660F</th> </tr> <tr> <th>min.</th> <th>max.*</th> </tr> </thead> <tbody> <tr> <td><b>+10°C</b></td> <td>after 36 h</td> <td>after 60 h</td> </tr> <tr> <td><b>+23°C</b></td> <td>after 8 h</td> <td>after 24 h</td> </tr> </tbody> </table>		surface temperature	by itself, TEKNOFLOOR 400F, TEKNOFLOOR 500F or TEKNOFLOOR 660F		min.	max.*	<b>+10°C</b>	after 36 h	after 60 h	<b>+23°C</b>	after 8 h	after 24 h
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	* Maximum overcoating interval without roughening.												
	Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.												
<b>Thinner, clean up</b>	TEKNOSOLV 9506 or TEKNOFLOOR 9515												
<b>Finish</b>	Full gloss												
<b>SAFETY MARKINGS</b>	See Safety Data Sheet.												

**DIRECTION FOR USE****Surface preparation**

New concrete floors must be clean and free from laitance before varnishing.

The best method for removing laitance from steel-trowelled concrete is scarifying, shot-blasting or surface grinding. The surface grinding is usually done on new floors as wet grinding while doing the casting. All residues of grinding must be carefully removed. The concrete surface must be clean of anything that might hinder the adhesion.

**Application conditions**

The temperature of ambient air, the surface and the varnish shall be above +10 °C and relative air humidity below 80% during the application and drying period.

Additionally the temperature of the surface to be varnished and the varnish must be at least 3°C above the dew point of the ambient air.

**Varnishing**

The priming is done "wet-on-wet" with varnish that is diluted by 20 - 30% with TEKNOSOLV 9506 or TEKNOSOLV 9515. TEKNOSOLV 9515 has a milder odour and therefore can be used in spaces where strong smells are to be avoided. The amount of thinner depends on the density of the concrete. Immediately after mixing pour the mixture as a streak onto the floor and apply e.g. with a short-piled mohair roller. Use lashings of varnish so that the entire surface is coated with a thin film therefore sealing the surface. Recoat immediately all areas that have absorbed the varnish completely. The number of priming coats depend on the quality of the concrete's surface. The priming may have to be done several times. If the surface is left porous, when coating is applied air bubbles may rise up and leave holes on the surface. There must not be any water on the floor during the application.

The coating can be applied when the priming coat has dried for at least 8 h (+23°C). Avoid intervals longer than 24 hours. If the priming coat has been applied more than 24 h ago the surface must be rubbed down and cleaned before it is overcoated.

**Application**


The varnished floor is usually coated after the machinery has been installed. Then remove the grease and dirt e.g. by emulsion wash and the surface is roughened by rubbing down or shot-blasting.

**ADDITIONAL INFORMATION**

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

**Continues...**

## CE MARKING

	
<b>0809</b>	
Teknos Oy Takkatie 3, P.O. Box 107 FI-00371 Helsinki, Finland 13 Declaration of Performance No. 0010	
0809-CPR-1063 EN 1504-2:2004 Surface protection products – Coating Physical resistance (5.1) Chemical resistance (6.1)	
Abrasion resistance	Requirement: Weight loss less than 3000 mg
Capillary absorption and permeability to water	Requirement: $w < 0,1 \text{ kg/m}^2 \times \sqrt{h}$
Resistance to severe chemical attack	Requirement: Reduction in hardness of less than 50 %
Impact resistance	Class I: $> 4 \text{ Nm}$
Adhesion strength by pull-off test	Requirement: Rigid system with trafficking: $\geq 2,0 (1,5) \text{ N/mm}^2$
Dangerous substances	See safety data sheet

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages [www.teknos.com](http://www.teknos.com).



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