TEKNOPUR SEALER 200-00

Polyurethane varnish

TEKNOPUR SEALER 200-00 is a two-pack polyurethane varnish.

Used as a primer in elastomeric coating systems.

Varnish is flexible and therefore suitable on several different porous surfaces. Product is solvent-free and partly moisture curing.

Product has CE approval for protection of concrete structures.

TECHNICAL DATA

Certificates, approvals and classification	CE marking
Recommended substrate	Bitumen, Concrete, GRP (glass reinforced polyester), Plywood, Wood
Binder	Polyurethane
Solids	Approx. 100% by volume
Total mass of solids	Approx. 1090 g/l
Volatile organic compound (VOC)	Approx. 0 g/l (DIRECTIVE 2010/75/EU)
	The VOC value provided is the average value for factory produced products, and
	consequently it will be subject to variations between individual products
	covered by this Technical Data Sheet.
Practical spreading rate	Depending on surface roughness and porosity. The standard rate for a steel-
	trowelled, blast-cleaned concrete floors is 3 - 6 m²/l.
Colours	Clear.
Gloss (60°)	Gloss
Hardener	Comp. A: TEKNOPUR SEALER 200-00 HARDENER
Mixing ratio (A:B)	1:1 parts by volume
Pot life	+23 °C: 60 min
	+60 °C: 15 min
Storage	The storage stability is shown on the label. Store indoors in a cool and dry place and in a tightly closed can.
	The product can get turbid when stored for a long time or in cold conditions.
	Heating the product slightly causes the turbidity to disapper.
	The hardener reacts with air humidity and therefore the opened can is to be kept carefully closed, and it is recommended to be used within 7 d of opening.







DIRECTION FOR USE

Surface preparation	Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:
	CONCRETE SURFACES: The concrete must be at least 4 weeks old and well- hardened so that all moisture from casting is bound and the surface dry. The moisture of the concrete must nor exceed 97 % as relative humidity or 4% by weight (by 45 / BLY 7). Dense laitance is to be removed from the concrete by shot-blasting, sanding or by sand blasting. Brittle and powdery top layers are treated so that the solid concrete containing aggregate is exposed. Thereafter all cement dust is removed by vacuum cleaner or brush. The concrete surface must be clean of anything that might hinder the adhesion.
	BITUMEN SURFACES: Remove from the surfaces any contaminants (e.g. grease and salts) that might be detrimental to painting. Surfaces to be painted must be dry and clean. Damaged parts are pretreated in accordance with the requirements placed by the substrate and the maintenance painting.
	GRP (Glasfiber Reinforced Plastic) COMPOSITE: Pretreat the surface using mechanical abrasive sanding P60 - P80. Remove dust. Due to varying nature of composites adhesion test is always recommended before extensive using.
	The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.
	Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.
Application method	Brush, Roller
Application	Apply by roller or brush until a consistent, thin film is formed on the surface. Applying on extremely porous surfaces it is recommended to apply 2 - 3 layers.
Application conditions	The surface to be treated has to be dry and the relative air humidity should be 50 - 90 %. During the application and drying process the air temperature and the surface to be treated has to be at least +5°C. The temperature of the surface and the product must be at least +3°C above the dew point of the ambient air.



Drying time	+23°C / 50% RH (dry film 60 μm)		
- dust free - through dry	4 h (ISO 9117-3:2010) 10 h (ISO 9117-1:2009)		
Overcoatable	surface temperature	with TEKNOPUR 300 and 400 -series coatings	
		min.	max.
	+10°C	8 h	48 h
	+23°C	2 h	48 h
	+60°C	30 min	36 h
	The values given for drying times and overcoatability may vary depending on film thickness and drying conditions. Rise in the relative humidity of the air in the drying space will accelerate the		
	drying process.		
Cleaning	TEKNOCLEAN 6496		

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.



C	E			
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Declaration of Performance No. 0041				
0809-CPR-1063				
EN 1504-2:2004				
Surface protection products – Coating				
Physical resistance (5.1)				
Chemical resistance (6.1)				
Moisture control (2.2)				
Compressive strength	Class II: ≥ 50 N/mm ² (trafficking with steel wheels)			
Abrasion resistance	Requirement: Weight loss less than 3000 mg			
Capillary absorption and permeability to water	Requirement: w < 0.1 kg/m ² x √h			
Resistance to severe chemical attack	Requirement: Reduction in hardness of less than 50 %			
Impact resistance	Class III: ≥ 20 Nm			
Adhacian strongth by pull off tast	Requirement: Crack-bridging system with trafficking: \geq 1.5 (1.0)			
	N/mm ²			
Crack bridging ability	Class A5: Width of the crack bridged > 2.5 mm, -10 °C			
Water vapour permeability	Class I, sd < 5 m			
Dangerous substances	See safety data sheet			

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