

TECHNICAL DATA SHEET					
14	10.03.2020				

## **TEKNODUR 3840** 2-component topcoat 3840-0X

PAINT TYPE	TEKNODUR 3840 is a two-component, full gloss polyurethane topcoat. The hardener is an aliphatic isocyanate resin.			
USE	Topcoat for metals, plastics and MDF requiring extremely high weather- and colour resistance.			
SPECIAL PROPERTIES	Excellent weather resistance.			
	Pigments and UV absorbers with the best resistance to sunlight, sulfuric acid, salt, and water have been used in the production of the various colours. Thus, TEKNODUR is stable to yellowing, chalking and gloss when used externally.			
	Has a bright, full, hard, a and solvents. Re-coating deteriorated adhesion be	nd scratch resistan must be carried ou tween the layers m	t surface, resistant to weak it within max 36 hours, as o ay be the result.	acids, bases, therwise a
	This data sheet applies for variants 00 and 09.		09.	
TECHNICAL DATA				
Mixing ratio by volume	Standard hardener: Fast hardener:	TEKNODUR HARDENER 7310-00: TEKNODUR HARDENER 7230-02:		4:1 5:1
Pot life, +23 °C	Approx. 6 hours with TEKNODUR HARDENER 7310-00. Approx. 2 hours with TEKNODUR HARDENER 7230-02.			
Solids	Approx. 50 %			
Total mass of solids	850 g/l			
Volatile organic compound (VOC)	420 g/l			
Recommended film thickness and theoretical spreading rate	Dry film (µm) 40	Wet film (µm) 80	Theoretical spreading rate 12	(m²/l)
Drying time at +23 °C / 50 % RH - tack free (ISO 9117-4:2012) - hard dry (ISO 9117-4:2012)	With TEKNODUR HARD 4 hours 6 hours	ENER 7310-00	With TEKNODUR HARDE 30 min. 2 ½ hours	ENER 7230-02
Drying time at +60 °C / 50 % RH	1 hour		30 min.	
Drying time at +80 °C / 50 % RH	30 min.		15 min.	
	The drying times are based on a film thickness of 40 $\mu m$ dry film.			
- overcoatable	by itself +23 °C min. 3 hours			
	max. 36 hours			
Thinner	See page 2.			

Full gloss.

Gloss

Colours	Can be supplied in any colour required with reference to RAL, NCS S or other colour systems.			
	For accuracy of yellow, red and orange topcoats pink primer should be used.			
Primer	Max. adhesion and protection against corrosion is obtained by priming with one of the following types:			
	Metals TEKNODUR PRIMER HB 3450			
	<u>Plastics</u> TEKNODUR PRIMER 3420			
	MDF TEKNODUR PRIMER 3310			
HEALTH AND SAFETY	See Safety Data Sheet.			
DIRECTION FOR USE				
Surface preparation	Metals, plastics and MDF must be primed.			
	Remove from the surfaces any con preparation and painting. Remove a methods. Subsequently the surface	taminants that might be detrimental to surface also water-soluble salts by using appropriate as are pre-treated.		
Mixing of components:	To achieve a satisfactory result, it is important that the hardener is mixed correctly. Incomplete stirring or incorrect dosage may result in the product not curing correctly, which will detract from the properties of the product. 15 minutes after the addition of hardener the viscosity increases. Final adjustment of the spraying viscosity must be made after this time.			
Application conditions	The surface to be painted must be the air, paint and surface must be a 80 %.	dry. When coating and curing the temperature of above 10 °C and the relative air humidity below		
Application	<u>Equipment</u> Air spraying Airmix/Aircoat Airless (Nozzle: 0,009" - 0,013")	<u>Suggested viscosity DIN-cup 4 mm 20 °C</u> 18-20 s 20-30 s 20-30 s		
Thinner	TEKNOSOLV 7140-00 (fast) TEKNOSOLV 6220-00 (standard) TEKNOSOLV 6190-00 (slow)			
ADDITIONAL INFORMATION	To ease the working procedure, TEKNODUR 3840 will be supplied in a volume mixture proportion, for which purpose Teknos' measuring stick can be used.			
Adhesion and compatibility to plastic types shou variation may occur, dependent upon the type o		ic types should be tested before application as on the type of plastic.		
	Storage: See label. Store in a tightly closed container.			

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage <a href="http://www.teknos.com">www.teknos.com</a>.