

TEKNOCRYL 2K 2540-05

NISO - Acrylic top coat

TEKNOCRYL 2K 2540-05 is a two-pack acrylic paint where the hardener used is an isocyanate-free special hardener.



Used in coating systems as a top coat on epoxy paints, e.g. TEKNOPLAST PRIMER 7. Used in coating system K77 which corresponds with coating system 1 in standard NORSOK M-501 rev. 5:2004, Annex A. The coating system is tested and approved according to ISO 20340 test requirements.

TEKNOCRYL 2K 2540-05 forms a semigloss surface that will withstand well abrasion and weather.

TECHNICAL DATA

Certificates, approvals and classification	NORSOK M-501											
Binder	Acrylic											
Solids	47 ±2 % by volume (ISO 3233:1988)											
Total mass of solids	Approx. 600 g/l											
Volatile organic compound (VOC)	Approx. 490 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.											
Theoretical spreading rate	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr></thead><tbody><tr><td>40</td><td>85</td><td>11.8</td></tr><tr><td>60</td><td>127</td><td>7.8</td></tr></tbody></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)	40	85	11.8	60	127	7.8		
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	As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.											
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.											
Colours	Limited range of colours.											
Tinting system	Teknotint											
Gloss (60°)	Semi-gloss											
Hardener	Comp. B: TEKNOCRYL 2K HARDENER 7326											
Mixing ratio (A:B)	3:2 parts by volume											
Pot life, +23°C	8 h											
Thinner	Standard thinners: TEKNOSOLV 9521 and TEKNOSOLV 6220. Other thinners suitable for the product: see Thinning.											

Storage

The storage stability is shown on the label. Must be stored tightly closed and kept cool.

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:

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.

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

Airless spraying, Conventional spraying, Brush
Suitable airless nozzle size 0.011 - 0.013".

Application

MIXING OF THE COMPONENTS: Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Stir thoroughly before use. Before use clean the spray gun and paint vessels with a thinner suitable for the paint.

Application conditions

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and the relative air humidity below 80%. Additionally, the temperature of the surface to be treated and the product must be at least +3°C above the dew point of the ambient air.

Thinning

Standard thinners: TEKNOSOLV 9521 and TEKNOSOLV 6220.
Slow thinners: TEKNOSOLV 6291 and TEKNOSOLV 6290. Used e.g. when painting large surfaces and when the temperature is above room temperature.
Fast thinner: TEKNOSOLV 9526. Used when spray painting large surfaces with mist coating technique, and when using electrostatic spraying.

Dilute 10 - 20%, when required.

Drying time

+23 °C / 50% RH (dry film 40 µm)

- dust free

20 min (ISO 9117-3:2010)

- touch dry

2 h (ISO 9117-5:2012)

Overcoatable

surface temperature	by itself	
	min.	max.
+5 °C	20 h	-
+23 °C	6 h	-

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Cleaning

TEKNOSOLV 9521 or TEKNOSOLV 6220.

HEALTH AND SAFETY**Safety and precaution measures**

See safety data sheet.

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