TEKNOCRYL 100-500

Acrylic topcoat

TEKNOCRYL 100-500 is a 1-pack, acrylic modified topcoat.

The paint is used as a topcoat on suitable prepared epoxy coat, vinyl coat, acrylic coat and fire resistance paint system – HENSOTHERM 310 KS, HENSOTHERM 410 KS, HENSOTHERM 420 KS, HENSOTHERM 421 KS and HENSOTHERM 910 KS.

The binder of the paint is an acrylic resin modified with halogen-free plasticizers. TEKNOCRYL 100-500 is decorative and flexible coating. It is resistant to sunlight, intermittent exposure to halogen compounds, salts and alkali solutions.

TECHNICAL DATA

Fields of application	Machinery, Steel constructions
Binder	Acrylic
Solids	45±2% by volume (ISO 3233)
Total mass of solids	Approx. 795 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><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m^2/l)</th></tr><tr><td>40</td><td>89</td><td>11.2</td></tr></table> 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	The paint is available in base colors intended for coloring system. After agreement, selected colors are available in factory colors.
Tinting system	Teknomix
Gloss (60°)	Semi-gloss
Thinner	TEKNOSOLV 1640, TEKNOSOLV 1639, TEKNOSOLV 9502
Density	Approx. 1.3 g/ml
Storage	The storage stability is shown on the label. Must be stored tightly closed and kept cool and dry.

DIRECTION FOR USE

Surface preparation	Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water. 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, Brush, Roller
Application	Stir thoroughly before use. Apply by airless spray, brush or roller. Suitable airless nozzle size 0.013 - 0.017" Nozzle pressure 10-15 MPa. For overcoating on HENSOTHERM series intumescent paints, TEKNOCRYL 100-500 can be thinned 20 - 40 % if needed by TEKNOSOLV 1640 (slow thinner) or TEKNOSOLV 1639).
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 paint shall be above 0°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. Adequate ventilation during application and drying period is recommended.

Drying time	+23 °C / 50% RH (dry film 40 µm)
- dust free	after 2 h
- touch dry	after 3 h
Overcoatable	

Surface temperature	By itself	
	Min.	Max.
+23 °C	4 h	unlimited

Given times relates to the recommended coating thickness, drying in good ventilation conditions. These times may change with a change of temperature, ventilation, number of layers and the thickness of the coating. 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 1640, TEKNOSOLV 1639, TEKNOSOLV 9502

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.

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