

**TEKNOCRYL 90**  
**Acrylic Top Coat and Varnish**

<b>PAINT TYPE</b>	TEKNOCRYL 90 is a 1-pack, acrylic top coat and varnish with gloss finish and based on modified acrylic resin.
<b>USAGE</b>	Used as a top coat in acrylic coating systems K 50 and in vinyl/acrylic and chlorinated rubber/acrylic coating systems on steel, aluminium and zinc-coated steel.
<b>SPECIAL PROPERTIES</b>	The binder of the paint and varnish is an acrylic resin modified with halogen-free plasticizers. The resistance to solvents is limited. The heat resistance is up to +80 °C.

**TECHNICAL DATA**

<b>Solids</b>	35 ±2% by volume		
<b>Total mass of solids</b>	paint: abt. 470 g/l varnish: abt. 360 g/l		
<b>Volatile organic compound (VOC)</b>	abt. 590 g/l		
<b>Recommended film thickness and theoretical spreading rate</b>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m <sup>2</sup> /l)
	40	114	8,8

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.

**Drying time at +23°C / 50% RH (dry film 40 µm)**

- dust free (ISO 9117-3:2010) after 1 h
- touch dry (ISO 9117-5:2012) after 2 h

**Overcoatable, 50% RH (dry film 40 µm)**

surface temperature	by itself	
	min.	max.
<b>0°C</b>	after 8 h	-
<b>+23°C</b>	after 4 h	-

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 9502, TEKNOSOLV 1639
<b>Finish</b>	Gloss
<b>Colours</b>	The paint is included in the Teknomix tinting system.
<b>SAFETY MARKINGS</b>	See Safety Data Sheet.

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

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. 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.

**Application conditions**

The surface to be painted must be dry. The temperature of the ambient air, the surface and the paint shall be above 0°C and the relative air humidity below 80% during the application and drying period. Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

**Application**

Before use stir the paint thoroughly.

Apply by brush or airless spray. Use airless spray nozzle 0.013".

**ADDITIONAL INFORMATION**

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

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

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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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