

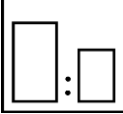


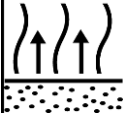





# Technical Data Sheet

**KRISTAL TimeClear LV**  
Art.nbr.: 9400

Clear Coats  
Version: **EN\_NA-TDS-9400-2**  
Revision: July 2015  
Page: 1 of 5

**FOR PROFESSIONAL USE ONLY**

## APPLICATION SHEET

	<p>4 KRISTAL TimeClear LV 1 KRISTAL TimeHardener LV Add up to 10% KRISTAL TimeAdd to the mixture</p>
	<p>Spray nozzle: 1.2 – 1.3 mm      Pressure: 2.0 – 2.2 bar at the air inlet      29 – 32 psi at the air inlet</p>
	<p>2 spray coats Layer thickness 2.1-2.4 mils / 50-60 µm</p>
	<p>5 minutes between the layers</p>
	<p>See overview on page 4</p>
	<p>Application viscosity 15 – 17 seconds (DIN CUP 4 mm / 68°F / 20°C)</p>
	<p>Application- and object temperature 65°F – 85°F / 18°C – 30°C</p>
	<p>Potlife 1½ hours at 68°F / 20°C</p>
	<p>Use suitable respiratory protection</p>
	<p>For full technical information, please read the complete Technical Data Sheet</p>

## Technical Data Sheet

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## FULL TECHNICAL INFORMATION



- Fully cures with only 68°F / 20°C
- LOW VOC: 2.1 lb/gal
- Dust-dry after 10 minutes
- No heating of the spray booth
- Applicable for spot-repair up to 3 panels
- Excellent clearness

### FIELD OF APPLICATION

For application as a Clear Coat over KRISTAL AquaGreen WB and other Metallic Basecoat Series.  
Suitable for passenger cars

KRISTAL TimeClear LV is a specially developed AIR CURING Clear Coat to comply with VOC limit regulations issued by the *California Air Resource Board* and *Environment Canada*. KRISTAL TimeClear LV has a maximum VOC-content of 2.1 lb/gal. KRISTAL TimeClear LV, is a non-yellowing high-gloss finishing finish, very easy to use. Air-drying and force-drying.

### PRODUCT AND AUXILIARY PRODUCTS

	<b>KRISTAL TimeClear LV</b>	
<b>Hardener</b>	KRISTAL TimeHardener LV	
<b>Product to add</b>	KRISTAL TimeAdd	
<b>Article numbers</b>	KRISTAL TimeClear LV	9400
	KRISTAL TimeHardener LV	8400
	KRISTAL TimeAdd STD	3410
	KRISTAL TimeAdd Fast	3411
	KRISTAL TimeAdd Slow	3412
	KRISTAL TimeAdd Extra Fast	3414

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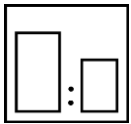
#### CHEMICAL BASIS

KRISTAL TimeClear                      Hydroxy-acrylic resins  
KRISTAL TimeHardener                Isocyanate resin

#### SUBSTRATES

KRISTAL AquaGreen WB  
Metallic basecoat / waterbase basecoat  
Sanded and degreased old layers

#### MIXING



- 4 KRISTAL TimeClear LV
  - 1 KRISTAL TimeHardener LV
- Add up to 10% KRISTAL TimeAdd to the mixture

#### DRYING

All drying times relate to standard application and **object temperature**.

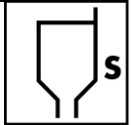


TimeClear LV	TimeClear LV	TimeClear LV
TimeHardener LV	TimeHardener LV	TimeHardener LV
TimeAdd STD	TimeAdd Fast	TimeAdd Slow

68°F 20°C	Dust dry	12 - 14 minutes	9 - 11 minutes	14 - 16 minutes
	Dry to polish	90 - 100 minutes	80 - 100 minutes	100 - 110 minutes
	Fully cured	Approx. 13 hours	Approx. 11 hours	Approx. 15 hours

All curing times are subject to and can differ due to: layer thickness, humidity and air velocity.

#### APPLICATION VISCOSITY AND TEMPERATURE



Application viscosity  
15 - 17 seconds (DIN CUP 4 mm / 68°F / 20°C)

Application- and object temperature  
65°F - 85°F / 18°C - 30°C

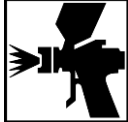
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### FOR PROFESSIONAL USE ONLY

#### EQUIPMENT SET-UP



Spray nozzle:  
1.2 - 1.3 mm

Pressure:  
2.0 - 2.2 bar at the air inlet      29 - 32 psi at the air inlet

#### SPRAY COATS / LAYER THICKNESS



2 full spray coats

Layer thickness 2.1-2.4 mils / 50-60  $\mu\text{m}$

#### FLASH-OFF



Maintain a flash-off of 5 minutes between the layers

#### POTLIFE



3 hours at 68°F / 20°C

#### ECONOMY

107 ft<sup>2</sup> / 10 m<sup>2</sup> per liter ready to spray clear coat (2.1 mils / 50  $\mu\text{m}$ )

#### CLEANING THE EQUIPMENT

KRISTAL NC Thinner 3120

#### PHYSICAL PROPERTIES

Density : 7,84 lb/gal - 0,94 kg/l  
Flashpoint : 70°F - 21°C  
Vol.% solids : 47,5%

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#### VOLATILE ORGANIC COMPOUND

Compliant conform U.S. National Rule, California Air Resource Board (CARB) and Environment Canada.  
Multi-stage coatings, U.S. EPA & OTC limit value 5.3 lb/gal VOC (630 g/L)  
Clear coats, California Air Resource Board limit value 2.1 lb/gal VOC (252 g/L)  
Clear coats, Environment Canada limit value 2.1 lb/gal VOC (252 g/L)

This product contains a maximum of 2.1 lb/gal VOC (252 g/L) in combination with KRISTAL TimeHardener LV.

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#### STORAGE LIFE

Under normal storage conditions for up to two years in unopened tins.

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#### STORAGE CONDITIONS

Do not store in areas exceeding temperatures of 86°F (30°C).

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#### TRANSPORT- AND STORAGE CONDITIONS

Do not store or transport this product at a temperature lower than 46°F (8°C) or higher than 86°F (30°C).

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#### KRISTAL COATINGS B.V.

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#### Important notice

Our products are suitable for professional use only.  
Registered processing times are valid under conditioned application circumstances only. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, not the suitability of the products for a specific purpose. Any date, weight, proportions, etc. given herein are for general information purpose only; they may change without prior information and do not constitute the quality of the products (product specification).  
For technical support and advice with concern to choices of coatings systems and methods of application, our technical staff will be at your service at all times.