

Technical data sheet

## Spectral KLAR 545-00

Two-component VHS clearcoat







### RELATED PRODUCTS

Spectral KLAR 545-00  
Spectral H 6115  
Spectral PLAST 775  
Spectral EXTRA 895

Clearcoat VHS  
Hardener: Fast, Standard, Slow, Extra Slow  
Elasticity increasing agent  
Fade out Thinner

### PROPERTIES

- Extremely short time to polishing  
(15 min/40°C or 3 h/20°C)
- Reduction of heating costs in the spray booth – 50%
- Long open time which allows for painting large areas (whole car)
- Very high final hardness curing at room and elevated temperature
  - Perfect levelling
- Very high solid content (ca.60%)

SUBSTRATES				
Spectral BASE 2.0 basecoat		Dried matt surface. Matt gently if necessary.		
Spectral WAVE 2.0 basecoat		Dried matt surface. Matt gently if necessary.		
Compatible with majority of solventborne and waterborne basecoats available on the market.				
MIXING RATIO				
	Spectral KLAR 545-00 Spectral H 6115	Volume ratio	Weight ratio	
		2	100	
		1	50	
VISCOSITY				
	DIN 4/20 °C	16 ÷ 18 s		
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/d limit *		420 g/l		
Actual VOC content		420 g/l		
* For ready to apply mixture compliant with Directive UE 2004/42/CE				
APPLICATION CONDITIONS				
Clearcoat should be applied at a temperature above 15°C and a humidity of no more than 80%.				
APPLICATION				
	Gravity fed spray gun	Nozzle	Pressure	Distance
		1.2 ÷ 1.4 mm	Follow the recommendations of the equipment manufacturer	
	Number of layers	1.5		
	Single dry layer thickness	30 ÷ 35 µm		
	Theoretical coverage of ready-for-use mixture	10.6 m <sup>2</sup> /l at 50 µm		
	Potlife at 20°C	45 min		
	Flash-off between layers	5 min		
	Flash-off after the last layer	5 min		

CURING TIMES		
	H 6115 Standard	
	20°C	40°C
Dust-free	20 min	6 min
Tack-free	2 h	10 min
Polishability (operating hardness)	3 h	15 min*
Final hardness	3 days	15 min + 2 ays/20°C

CAUTION: The curing times apply to the temperatures of the individual elements. The cabin temperature should be approximately 10°C higher. Drying the clearcoat with a fast hardener at an increased temperature can reduce the gloss. A coat cured at a temperature of 40 °C reaches a higher final hardness than a coat cured at 20 °C  
\*polishability after cooling down the element.

**DRYING WITH AN INFRARED RADIATOR**



Distance  
Time depending on the type and power of the lamp

Follow the recommendations of the equipment manufacturer  
5 ÷ 10 min

CAUTION: Use the radiator no sooner than 10 min after applying the last layer.

**RELATED PRODUCTS, DEPENDING ON THE PROCESSING TEMPERATURE**

	10 - 15°C	15 - 25°C	25 - 35°C	+ 35°C
Spectral H 6115	Fast	Standard	Slow	Extra Slow

**Spectral PLAST 775 ELASTICITY INCREASING AGENT**

To increase the paint coating's elasticity on plastic elements or to increase stone chip resistance (e.g. front strip, bonnet), add 10 ÷ 30% of Spectral PLAST 775 per ready to apply mixture (Spectral KLAR 545-00 and Spectral H 6115).

**Spectral EXTRA 895 FADE OUT THINNER**



Apply the Spectral EXTRA 895 fade out thinner in thin layers, in 1-2 passes, to the contact area between the old paint coating and the newly-applied coat.

Two working methods may be used:

Method I (recommended): apply a thin layer of the fade out thinner immediately after applying each layer of the clearcoat.

Method II: apply a thin layer of the fade out thinner immediately after applying the last layer of the clearcoat.

**EQUIPMENT CLEANING**

Spectral SOLV 855 acrylic thinner or NC solvent.

**STORAGE CONDITIONS**

Store in a dry and cool place, away from sources of fire and heat.  
Avoid direct exposure to sunlight.

<b>SHELF LIFE</b>	
Spectral KLAR 545-00	24 months/20 °C
Spectral H 6115 Standard, Slow, Extra Slow	18 months/20 °C
Spectral H 6115 Fast	12 months/20 °C
Spectral PLAST 775	24 months/20 °C
Spectral EXTRA 895	24 months/20 °C
<b>SAFETY</b>	
See Safety Data Sheet.	
<b>OTHER INFORMATIONS</b>	
Registration number: 000024104.	
<p>The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.</p>	

<b>ADDITIONAL INFORMATION</b>		
<b>COMPONENT QUANTITY BY WEIGHT:</b>		
<b>CAUTION!</b>		
In order to obtain a coat with appropriate parameters it is very important do exactly dose the individual components.		
Ready to use mixture amount	Spectral KLAR 545-00	Spectral H 6115
0.10 l	66 g	34 g
0.15 l	100 g	50 g
0.20 l	132 g	67 g
0.25 l	166 g	84 g
0.30 l	199 g	101 g
0.40 l	265 g	134 g
0.50 l	331 g	167 g
0.75 l	496 g	251 g
1.00 l	662 g	335 g
2.00 l	1324 g	670 g