

Technical data sheet

Spectral KLAR 505

Two-component VHS clearcoat

RELATED PRODUCTS

Spectral KLAR 505	VHS clearcoat
Spectral H 6115	Slow, Standard Fast and Extra Slow hardener
Spectral PLAST 775	Elasticity increasing agent
Spectral EXTRA 895	Fade out Thinner

PROPERTIES

- Very high solid content (> 60 %)
 - High yield
 - Fast drying
- For repairing small and large surfaces
 - Perfect levelling

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 505 Spectral H 6115	Volume ratio	Weight ratio
		3 1	100 35
VISCOSITY			
	DIN 4/20 °C	17 ÷ 19 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS			
VOC II/B/d limit *		420 g/l	
Actual VOC content		415 g/l	
* For ready to apply mixture compliant with Directive UE 2004/42/CE			
APPLICATION CONDITIONS			
It is recommended to apply the clearcoat at a temperature above 15°C and 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 ² /l at 50 µm	
	Potlife at 20 °C	30 min	
	Flash-off between layers	5 ÷ 10 min	

DRYING TIMES				
	H 6115 standard			
	20 °C	60 °C		
Dust-free	30 min.	5 min.		
Tack-free	3 hours	10 min.		
Polishability (operating hardness)	12 hours	35 min.*		
Final hardness	7 days	35 min + 3days/20°C		
<p>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 60 °C reaches a higher final hardness than a coat cured at 20 °C. *polishability after cooling down the element.</p>				
DRYING WITH AN INFRARED RADIATOR				
	Distance	Follow the recommendations of the equipment manufacturer		
	Time depending on the type and power of the lamp	10 ÷ 25 min.		
<p>CAUTION: Use the radiator no sooner than 10 min. after applying the last layer.</p>				
RELATED PRODUCTS, DEPENDING ON THE PROCESSING TEMPERATURE				
	15 - 20°C	20 - 25°C	25 - 35°C	+ 35°C
Spectral H 6115	Fast	Standard	Slow	Extra Slow
Spectral PLAST 775 ELASTICITY INCREASING AGENT				
<p>To increase the paint coating's elasticity on plastic elements or to increase the coating's resistance to stone chipping (e.g. front strip, bonnet), add 10 ÷ 30 % of Spectral PLAST 775 per ready to apply mixture (Spectral KLAR 505 and Spectral H 6115).</p>				
Spectral EXTRA 895 FADE OUT THINNER				
	<p>Spectra EXTRA 895 fade out thinner should be applied in thin layers, in 1-2 passes, to the contact area between old paint coating and the newly-applied coat.</p>			
	<p>Two working methods may be used: Method I (recommended): Apply a thin layer of fade out thinner immediately after each layer of clear coat is applied. Method II: Apply a thin layer of fade out thinner immediately after the final layer of clear coat is applied.</p>			
EQUIPMENT CLEANING				
<p>Spectral SOLV 855 acrylic thinner or NC solvent.</p>				
STORAGE CONDITIONS				
<p>Store in a dry and cool place, away from sources of fire and heat. Avoid direct exposure to sunlight.</p>				

SHELF LIFE	
Spectral KLAR 505	24 months/20 °C
Spectral H 6115	12 months/20 °C
Spectral PLAST 775	24 months/20 °C
Spectral EXTRA 895	24 months/20 °C
SAFETY	
See Safety Data Sheet.	
OTHER INFORMATIONS	
Registration number: 000024104.	
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.	

ADDITIONAL INFORMATION		
COMPONENT QUANTITY BY WEIGHT:		
CAUTION!		
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 505	Spectral H 6115
0.10 l	72 g	25 g
0.15 l	108 g	37 g
0.20 l	144 g	50 g
0.25 l	180 g	62 g
0.30 l	216 g	75 g
0.40 l	288 g	100 g
0.50 l	360 g	125 g
0.75 l	540 g	187 g
1.00 l	720 g	249 g
2.00 l	1440 g	498 g