

Technical Data Sheet

Spectral KLAR 505-00

Two-component VHS clearcoat

RELATED PRODUCTS







Spectral KLAR 505-00
Spectral H 6115



Spectral PLAST 775
Spectral EXTRA 895

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

PROPERTIES

- Very high gloss
- Very high ending hardness curing at room and elevated temperature
 - For repairing small and large surfaces
 - Perfect levelling
- Very high solid particle content (> 55 %)

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				
			Volume ratio	Weight ratio
	Spectral KLAR 505-00 Spectral H 6115		2 1	100 50
VISCOSITY				
	DIN 4/20°C		17 ÷ 19 s	
VOC CONTENT				
VOC II/B/d limit *		420 g/l		
Actual VOC content		415 g/l		
* For ready to apply mixture acc. to EU Directive 2004/42/EC				
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	Distance
			1.2 ÷ 1.4 mm	Follow the recommendations of the equipment manufacturer
	Number of layers		2	
	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		45 min	
	Flash-off between layers		15 ÷ 20 min	
	Flash-off after the last layer		20 min	

CURING TIMES				
	H 6115 Standard			
	20°C	60°C		
Dust-free	30 min	5 min		
Tack-free	3 h	10 min		
Polishability (operating hardness)	12 h	30 min*		
Final hardness	4 days	30 min + 3 days/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>				
IR DRYING				
	Distance		Follow the recommendations of the equipment manufacturer	
	Time depending on the type and power of the lamp		10 - 20 min	
<p>CAUTION: Use the radiator no sooner than 20 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 stone chip resistance (e.g. front strip, bonnet), add 10 ÷ 30% of Spectral PLAST 775 per ready to apply mixture (Spectral KLAR 505-00 and Spectral H 6115).</p>				
Spectral EXTRA 895 FADE OUT THINNER				
	<p>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.</p>			
	<p>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.</p>			
EQUIPMENT CLEANING				
Spectral SOLV 855 acrylic thinner or NC solvent				
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 505-00	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
SAFETY	
See the Safety Data Sheet.	
OTHER INFORMATION	
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 perform 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		
WEIGHT QUANTITY OF COMPONENTS		
CAUTION!		
In order to obtain a paint coating with appropriate parameters it is very important to accurately dose the individual components.		
Ready to use mixture amount	Spectral KLAR 505-00	Spectral H 6115
0.10 l	66 g	34 g
0.15 l	99 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