

Technical data sheet

Spectral KLAR 565

Two-component VHS clearcoat







RELATED PRODUCTS



Spectral KLAR 565
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 short time to polish (15min/60°C or 30min/50°C)
- Long open time which allows for painting large areas (whole car)
 - High final hardness curing at room and elevated temperature
 - Perfect levelling
- Very high solid particle content (> 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 565 Spectral H 6115		Volume ratio	Weight ratio
			2	100
		1	50	
VISCOSITY				
	DIN 4/20 °C		15 ÷ 17 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				
The coat 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		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	
	Flash-off after last coating		10 min	

DRYING TIMES				
	H 6115 Standard			
	20°C	60°C		
Dust-free	25 min	4 min		
Tack-free	2.5 h	10 min		
Polishability (operating hardness)	7 h	15 min*		
Final hardness	4 days	20 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>				
DRYING WITH AN INFRARED RADIATOR				
	Distance	Follow the recommendations of the equipment manufacturer		
	Time depending on the type and power of the lamp	7 ÷ 15 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 565 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:</p> <p>Method I (recommended): Apply a thin layer of fade out thinner immediately after each layer of clear coat is applied.</p> <p>Method II: Apply a thin layer of fade out thinner immediately after the final layer of clear coat is applied.</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 565	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 Safety Data Sheet.	
OTHER INFORMATIONS	
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>	

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 565	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