

Technical data sheet

Spectral KLAR 505

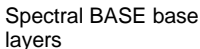
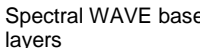






Two-component VHS clearcoat



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 particle content (> 60 %)
 - High yield
 - Fast drying
- For repairing small areas (up to a few elements)
 - Perfect flowability

SUBSTRATES				
	Dried matt surface. Mat gently if necessary.			
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Compatible with majority of solvent basecoats and water 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				
The coat should be applied at a temperature above 15 °C and a humidity of no more than 80 %.				
Under such conditions, the hardened coating can be used after no less than 10 hours.				
APPLICATION				
	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
		1.2 ÷1.4 mm	CAUTION: Instructions of the equipment manufacturer must be followed.	
	Number of layers	1.5		
	Single dry layer thickness	30 ÷ 35 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	10.6 m²/l at 50 µm		
	Mixture life at 20 °C	30 min		
	Flash off between layers	5 ÷10 min		

DRYING TIMES				
	H 6115 standard			
	20 °C	60 °C		
Dust-free	40 min.	5 min.		
Tack-free	3 hours	10 min.		
Operating hardness	12 hours	35 min.		
Ending hardness	7 days	35 min + 3days/20°C		
<p>CAUTION: Drying times apply to the temperatures of the individual elements. Drying the coat with a fast hardener at an increased temperature can deteriorate the gloss and make it necessary to polish the coat. A coat cured at a temperature of 20 °C reaches a lower ending hardness than a coat cured at 60 °C.</p>				
DRYING WITH AN INFRARED RADIATOR				
	Distance Time depending on the type and power of the lamp	Follow the recommendations of the equipment manufacturer 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). * the provided quantity of Spectral PLAST 775 does not apply to mixtures with a mat or texture effect</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				
<p>Spectral SOLV 855 acrylic thinner or NC solvent.</p>				
STORAGE CONDITIONS				
<p>Store in a dry and cool room, 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	
<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.		
Mixture quantity	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