

Technical data sheet

Spectral KLAR 575







Two-component clearcoat with increased scratch resistance (SR)


RELATED PRODUCTS


Spectral KLAR 575	SR clearcoat
Spectral H 6125	Standard, fast and slow hardeners
Spectral SOLV 855	Standard, fast, slow and extra slow acrylic thinners
Spectral PLAST 775	Elasticity increasing agent
Spectral S-D10	Matting additive
Spectral EXTRA 835	Texture additive
Spectral EXTRA 895	Fade out Thinner

PROPERTIES

- Increased scratch resistance (SR)
- MS technology – easy application
 - Perfect flowability
 - Fast drying
- Easy adaptation to changing application conditions

PODŁOŻA				
Spectral BASE base layers		Dried matt surface. Mat gently if necessary.		
Spectral WAVE base layers		Dried matt surface. Mat gently if necessary.		
Compatible with majority of solvent basecoats and water basecoats available on the market.				
MIXING RATIO				
	Spectral KLAR 575 Spectral H 6125 Spectral SOLV 855	Volume ratio	Weight ratio	
		2	100	
		1	50	
		0.4	18	
VISCOSITY				
	DIN 4/20 °C	16 ±18 s		
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/e limit *		840 g/l		
Actual VOC content		565 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 14 hours.				
APPLICATION				
	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
		1.3 ÷ 1.4 mm	3 ÷ 4 bar	15 ÷ 20 cm
	CAUTION: Instructions of the equipment manufacturer must be followed.	Low-pressure gravity fed HVLP spray gun	1.2 ÷1.3 mm	2 bar
	Number of layers	2 ÷ 3		
	Single dry layer thickness	20 ÷ 25 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	7.2 m²/l at 50 µm		
	Mixture life at 20 °C	H 6125 (slow), (standard)		H 6125 (fast)
		2 hours		30 min.
	Flash off between layers	5 ÷10 min		

DRYING TIMES				
	H 6125 (standard)			
	20 °C	60 °C		
Dust-free	25 min.	5 min.		
Tack-free	3 hours	10 min.		
Operating hardness	14 hours	45 min.		
Ending hardness	7 days	45 min. + 1day/20 °C		
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.				
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.		
CAUTION: Use the radiator no sooner than 10 min. after applying the last layer.				
RELATED PRODUCTS, DEPENDING ON THE PROCESSING TEMPERATURE				
	15 - 18°C	18 - 25°C	25 - 35°C	+ 35°C
Spectral H 6125	Fast	Standard	Slow	Slow
Spectral SOLV 855	Fast	Standard	Slow	Extra Slow
Spectral PLAST 775 ELASTICITY INCREASING AGENT				
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 % (vol.) of Spectral PLAST 775 per ready to apply mixture (Spectral KLAR 575* with Spectral H 6125). * the provided quantity of Spectral PLAST 775 does not apply to coats with a mat or texture effect				
Spectral S-D10 MATTING ADDITIVE				
Depending on the desired gloss, the additive can be used in a quantity of 70 ÷ 100 % vol. per coat (without the hardener). Its use influences the mixture's viscosity, which should be taken into account when using a thinner. Add the hardener only in a quantity per Spectral KLAR 575.				
Volume ratio %		Gloss		
70		Semi-matt		
100		matt		

Spectral EXTRA 835 TEXTURE ADDITIVE								
Surface	Spectral KLAR 575 effect	Target mixture quantity	Spectral KLAR 575	Spectral EXTRA 835	Spectral H 6125	Spectral S-D10	Spectral HS-D11	Spectral SOLV 855
Steel Galvanized steel Aluminium Rigid plastics	textured matt	1 l	305 g	91 g	198 g	---	357 g	43 g
		1 l	290 g	87 g	188 g	377 g	---	52 g
	semigloss	1 l	455 g	---	227 g	---	273 g	41 g
		1 l	417 g	---	208 g	292 g	---	75 g
	matt	1 l	417 g	---	208 g	---	375 g	---
		1 l	370 g	---	185 g	370 g	---	67 g
CAUTION: For flexible plastic surfaces, add approximately 10 % (vol.) of Spectral PLAST 775 per ready to spray mixture with possible additives (e.g. with Spectral S-D10).								
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								
SOLV 855 acrylic thinner or NC solvent.								
STORAGE CONDITIONS								
Store in a dry and cool room, away from sources of fire and heat.								
Avoid direct exposure to sunlight.								
SHELF LIFE								
Spectral KLAR 575				24 months/20 °C				
Spectral H 6125				12 months/20 °C				
Spectral SOLV 855				24 months/20 °C				
Spectral PLAST 775				24 months/20 °C				
Spectral S-D10				24 months/20 °C				
Spectral EXTRA 835				24 months/20 °C				
Spectral EXTRA 895				24 months/20 °C				
SAFETY								
See Safety Data Sheet.								

OTHER INFORMATIONS

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.

Mixture quantity	Spectral KLAR 575	Spectral H 6125	Spectral SOLV 855
0.10 l	60 g	30 g	10.5 g
0.15 l	89 g	44 g	16 g
0.20 l	119 g	59 g	21 g
0.25 l	149 g	74 g	26 g
0.30 l	179 g	89 g	31 g
0.40 l	238 g	119 g	42 g
0.50 l	298 g	149 g	52 g
0.75 l	446 g	223 g	78 g
1.00 l	595 g	297 g	105 g
2.00 l	1190 g	594 g	210 g