

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 895	Fade out Thinner

### PROPERTIES

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

PODŁOŻA				
Spectral BASE 2.0 basecoat		Dried matt surface. Mat gently if necessary.		
Spectral WAVE 2.0 basecoat		Dried matt surface. Mat gently if necessary.		
Compatible with majority of solventborne and waterborne basecoats available on the market.				
MIXING RATIO				
			Volume ratio	Weight ratio
	Spectral KLAR 575		2	100
	Spectral H 6125		1	50
	Spectral SOLV 855		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				
Clearcoat should be applied at a temperature above 15°C and a humidity of no more than 80%.				
APPLICATION				
	Gravity fed spray gun		Nozzle	Pressure
			1.2 ÷ 1.4 mm	Distance
			Follow the recommendations of the equipment manufacturer	
	Number of layers		2 ÷ 3	
	Single dry layer thickness		20 ÷ 25 µm	
	Theoretical coverage of ready-for-use mixture		7.2 m <sup>2</sup> /l at 50 µm	
	Potlife 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.*
Final hardness	7 days	45 min. + 1day/20 °C

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.

**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 - 20°C	20 - 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 stone chip resistance (e.g. front strip, bonnet), add 10 ÷ 30% 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 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 895 FADE OUT THINNER**



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.

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.

<b>EQUIPMENT CLEANING</b>	
SOLV 855 acrylic thinner or NC solvent.	
<b>STORAGE CONDITIONS</b>	
Store in a dry and cool place, away from sources of fire and heat. Avoid direct exposure to sunlight.	
<b>SHELF LIFE</b>	
Spectral KLAR 575	24 months/20 °C
Spectral H 6115 Standard, Slow, Extra Slow	18 months/20 °C
Spectral H 6115 Fast	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 895	24 months/20 °C
<b>SAFETY</b>	
See Safety Data Sheet.	
<b>OTHER INFORMATIONS</b>	
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 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