

# SPECTRAL

COLOR TECHNOLOGY

Technical Data Sheet

## Spectral KLAR 535 MAT

Two-component matt acryl clearcoat

### RELATED PRODUCTS

Spectral KLAR 535 MAT

Spectral H 6125

Spectral SOLV 855

Spectral PLAST 775

Matt acryl clearcoat







Standard, fast and slow hardeners


Standard, fast, slow and extra slow acrylic  
thinners

Elasticity increasing agent

### PROPERTIES

- High-quality matt coating
- High scratching resistance (SR)
- HS process - high solids content
  - Very good levelling
  - Fast drying
- Increased chemical resistance

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 535 MAT	2	100	
	Spectral H 6125	1	47	
	Spectral SOLV 855	0.2 ÷ 0,4	8 ÷ 16	
<p>Application notes: The longer the curing time is, the less is the coat prone to clouding, especially on large surfaces at high temperatures. Using a slow thinner and a higher thinning rate improves the distribution of the matting additives in the coat.</p>				
VISCOSITY				
	DIN 4/20°C	14 ÷ 21 s		
VOC CONTENT				
VOC II/B/e limit*		840 g/l		
Actual VOC content		545 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	Distance
		1.2 ÷ 1.4 mm	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	8.0 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		

<b>CURING TIMES</b>				
	H 6125 Standard			
	20°C	60°C		
Dust-free	25 mins	5 mins		
Tack-free	3 h	10 mins		
Polishability (operating hardness)	14 h	45 mins		
Final hardness	7 days	45 mins + 1 day / 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.				
<b>IR DRYING</b>				
	Distance		Follow the recommendations of the equipment manufacturer	
	Time, depending on lamp type and power		10 ÷ 25 mins	
CAUTION: Use the radiator no sooner than 10 min after applying the last layer.				
<b>RELATED PRODUCTS, DEPENDING ON THE PROCESSING TEMPERATURE</b>				
	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
<b>Spectral PLAST 775 ELASTICITY INCREASING AGENT</b>				
To increase the paint coating's elasticity on plastic elements or to increase stone chip resistance (e.g. front strip, bonnet), add 10 of Spectral PLAST 775 per ready to apply mixture (Spectral KLAR 535 MAT and Spectral H 6125). Adding Spectral PLAST 775 will, however, increase gloss.				
<b>GLOSS LEVELS WITH CLEARCOATS</b>				
Due to the various versions of acryl coats, varying gloss levels can be obtained. It is recommended to do a test spray to check the obtained gloss.				
Mixing volume ratio: Spectral KLAR 535 MAT / any Spectral gloss acryl clearcoat		Gloss		
75 / 25		Semi-gloss		
90 / 10		Semi-matt		
100 / 0		Matt		

<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 535 MAT	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
<b>SAFETY</b>	
See the 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.	

OTHER INFORMATION			
<b>WEIGHT CONTENTS OF COMPONENTS 2:1:0,2:</b>			
<b>CAUTION!</b>			
In order to obtain a coat with suitable parameters, it is very important to precisely dose the specific components.			
Ready to use mixture amount	Spectral KLAR 535 MAT	Spectral H 6125	Spectral SOLV 855
0.10 l	65 g	31.6 g	5.6 g
0.15 l	98 g	47 g	8 g
0.20 l	130 g	63 g	11 g
0.25 l	163 g	79 g	14 g
0.30 l	195 g	95 g	17 g
0.40 l	260 g	126 g	22 g
0.50 l	325 g	158 g	28 g
0.75 l	488 g	237 g	42 g
1.00 l	650 g	316 g	56 g
2.00 l	1300 g	632 g	111 g

OTHER INFORMATION			
<b>WEIGHT CONTENTS OF COMPONENTS 2:1:0,4:</b>			
<b>CAUTION!</b>			
In order to obtain a coat with suitable parameters, it is very important to precisely dose the specific components.			
Ready to use mixture amount	Spectral KLAR 535 MAT	Spectral H 6125	Spectral SOLV 855
0.10 l	61 g	30 g	10.5 g
0.15 l	92 g	45 g	16 g
0.20 l	122 g	60 g	21 g
0.25 l	153 g	74 g	26 g
0.30 l	184 g	89 g	31 g
0.40 l	245 g	119 g	42 g
0.50 l	306 g	149 g	52 g
0.75 l	459 g	223 g	78 g
1.00 l	612 g	298 g	105 g
2.00 l	1224 g	595 g	209 g