

Technical data sheet

Spectral 2K







Two-component acrylic mixing system


RELATED PRODUCTS


Spectral 2K	Acrylic topcoats
Spectral H 6005	Standard, Fast, Slow and Extra Slow Hardeners
Spectral H 6115	Standard, Fast, Slow and Extra Slow Hardeners
Spectral SOLV 855	Standard, Fast, Slow and Extra Slow Acrylic thinners
Spectral PLAST 775	Elasticity increasing agent
Spectral EXTRA 895	Fade out thinner
Spectral S-D10	Matting additive

PROPERTIES

- High yield
- Perfect hiding power
- Very good flowability
- Wide range of colours

SUBSTRATES				
Acrylic, polyurethane, epoxy primers	Prepare in accordance with the information contained in the primer specifications.			
Old paint coatings	Mat and degrease.			
Polyester laminates	Mat and degrease.			
MIXING RATIO				
		Volume ratio		
	Spectral 2K	3		
	Spectral H 6005 or H 6115	1		
	Spectral SOLV 855	10 ÷ 30% (*)		
The use of H6115 hardener improves the parameters of the coating - gloss, final hardness. (*) Add the thinner only in a quantity per acrylic topcoat (component A).				
VISCOSITY				
	DIN 4/20 °C	17 ÷ 23 s		
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
Actual VOC content*	approximately 600 g/l depending on the colour			
The products listed herein are intended for professional use in installations only according to Directive 1999/13/EC. The products must only be used as intended. The information contained herein is based on state of the art engineering and science, and obligates the product user to comply with all necessary measures ensuring the intended use of the products. Read the Safety Data Sheets of the products before use.				
APPLICATION CONDITIONS				
The topcoat should be applied at a temperature above 15°C and a humidity no more than 70%. 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	Instructions of the equipment manufacturer must be followed.	
	Number of layers	depending on the colour: 2 ÷ 3		
	Single dry layer thickness	20 ÷ 30 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	10.6 m ² /l at 50 µm		
	Mixture life at 20°C	1 hour 30 min	for H 6005/6115 (standard, slow, extra slow) for H 6005/6115 (fast)	
	Flash off between layers	5 ÷ 10 min		

DRYING TIMES				
	20°C		60°C	
Dust-free	15 min.		5 min.	
Tack-free	2 hours		10 min.	
Operating hardness	14 hours		45 min.	
Ending hardness	7 days		60 min + 1 day/20 °C	
CAUTION: Drying times apply to the temperatures of the individual elements.				
DRYING WITH AN INFRARED RADIATOR				
	Distance	Follow the recommendations of the equipment manufacturer		
	Time depending on the type and power of the lamp	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 6005/6115	Fast	Standard	Slow	Extra 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 % of Spectral PLAST 775 per ready to apply mixture (*) (Spectral 2K and Spectral H 6005/6115).				
(*) the provided quantity of Spectral PLAST 775 does not apply to mixtures with a mat effect S-D10.				
Spectral S-D10 MATTING ADDITIVE				
Depending on the desired gloss, the additive can be used in a quantity of 70 ÷ 100 % vol. per topcoat (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 acrylic topcoat (component A).				
	Volume ratio %	Gloss		
	70	semigloss		
	100	matt		

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: 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.</p>
EQUIPMENT CLEANING	
Spectral 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 2K	24 months/20 °C
Spectral H 6005 Standard, Slow, Extra Slow	18 months/20 °C
Spectral H 6115 Standard, Slow, Extra Slow	18 months/20 °C
Spectral H 6005 Fast	12 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
SAFETY	
See Safety Data Sheet.	
OTHER INFORMATIONS	
<p>Registration number: 000024104.</p> <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>	