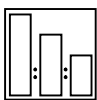








Technical data sheet

OPTIC 2+1

Acrylic topcoat*

PROPERTIES		
<p>OPTIC acrylic enamel – a two-component acrylic topcoat. Thanks to high quality components, the product ensures excellent appearance and durability of the coating with UV resistance, resistance to changing weather and discolouration. The good flowability and short drying time ensure easy and comfortable application.</p>		
RELATED PRODUCTS		
OPTIC Hardener 2+1	OPTIC Hardener for acrylic topcoat , Standard, Fast, Slow	
THIN 850	Acrylic thinner Standard, Fast and Slow	
PLUS 770	Elasticity increasing agent	LT-04-01
PLUS 750	Acrylic accelerating agent	LT-04-02
PLUS 760	Antisilicone additive	LT-04-04
THIN 890	Fade out Thinner.	LT-06-05
SUBSTRATES		
Compatible with the majority of solvent and waterborne basecoats available on the market.		
MIXING RATIO		
	OPTIC 2+1	Volume ratio
	OPTIC Hardener 2+1	2
	THIN 850	1
		20%
Apply the thinner in the amount calculated for the topcoat.		
VISCOSITY		
	DIN 4/20°C	18 – 22 s
CONTENT OF VOLATILE ORGANIC COMPOUNDS		
VOC	630 g/l	
For ready to use mixture.		

APPLICATION CONDITIONS						
It is recommended to apply the clearcoat at a temperature above 15°C and a humidity of no more than 80 %. Under such conditions, the cured 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 spray gun	1.2 – 1.3 mm		2 bar	10 – 15 cm	
	Number of layers	2 – 3				
	Single dry layer thickness	20 – 30 µm				
	The yield of the ready to use mixture for the given range of dry layer thickness	7.0 m ² /l at 50 µm				
	Mixture life at 20° C	OPTIC Hardener 2+1 Slow, Standard			OPTIC Hardener 2+1 Fast	
		2 h			30 min	
	Flash off time between layers at 20° C	5 – 10 min				
CURING TIMES						
	OPTIC Hardener 2+1 Slow		OPTIC Hardener 2+1 Standard		OPTIC Hardener 2+1 Fast	
	20° C	60° C	20° C	60° C	20° C	60° C
Dust-free	20 min	6 min	15 min	5 min	12 min	5 min
Tack-free	3.5 h	15 min	3 h	10 min	1.2 h	10 min
Operating hardness	14 h	45 min	14 h	45 min	12 h	35 min
Ending hardness	7 days	45 min + 3 days/20° C	7 days	45 min + 3 days/20° C	5 days	35 min + 3 days/20° C
CAUTION: The curing times apply to the temperatures of the individual elements. Drying the topcoat with a fast hardener at an increased temperature can deteriorate the gloss and make it necessary to polish the coat. The fast hardener should not be used with the PLUS 750 acrylic accelerating agent.						
IR DRYING						
	Distance			Follow the recommendations of the equipment manufacturer		
	Time depending on the type and power of the lamp			10 – 25 min		
CAUTION: Start IR heating no sooner than 10 mins after applying the last layer.						

THIN 850 ACRYLIC THINNER			
Surface	15 — 20°C	20 — 25°C	25 — 35°C
Small 1-2 elements, spot repair	OPTIC Hardener 2+1 Fast THIN 850 Fast	OPTIC Hardener 2+1 Standard/Fast THIN 850 Fast	OPTIC Hardener 2+1 Standard THIN 850 Standard
Medium 3-5 elements	OPTIC Hardener 2+1 Fast THIN 850 Fast	OPTIC Hardener 2+1 Standard THIN 850 Standard	OPTIC Hardener 2+1 Standard THIN 850 Slow
Large more than 5 elements	OPTIC Hardener 2+1 Fast THIN 850 Standard	OPTIC Hardener 2+1 Standard THIN 850 Slow	OPTIC Hardener 2+1 Slow THIN 850 Slow
COLOUR			
RAL, acc. to customer model.			
EQUIPMENT CLEANING			
THIN 850 acrylic thinner or NC solvent.			
STORAGE CONDITIONS			
Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight.			
SHELF LIFE			
OPTIC 2+1	36 months/20°C		
OPTIC Hardener 2+1, Standard, Slow	18 months/20°C		
OPTIC Hardener 2+1 Fast	12 months/20°C		
THIN 850	24 months/20°C		
SAFETY			
See Safety Data Sheet.			
NOTES			
Intended for professional use only. Non-compliant with the requirements of Directive 2004/42/CE. Use in the countries of the European Union is possible only after meeting the additional requirements of Directive 1999/13/EC and domestic regulations that implement the Directives.			
OTHER INFORMATION			
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.			