


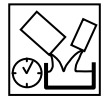
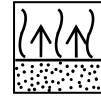


**Technical data sheet**

**NOVAKRYL 5900 PREMIUM HS**

**Acrylic clearcoat**

PROPERTIES					
NOVAKRYL 5900 – an acrylic clearcoat that has a high solids content. High hardness, UV resistance and weather resistance guarantee high durability, while the gloss and depth ensure an excellent appearance of the coated surface. The recommended coating thickness is obtained by applying one and a half layer. The good flowability and quick drying time assure easy repair and short time of processing in the painting cabin. It is available in versions with the slow, standard or fast hardener; the selection of specific hardener depends on the application conditions. Due to its properties, Novakryl 5900 is a clearcoat that enables easy reproduction of the factory paint coating structure. It has good dry spray absorption, which makes it perfect for coating of large surfaces.					
RELATED PRODUCTS					
HARDENER 5900		Hardener for NOVAKRYL 5900 (64° - 86°F / 18° - 30°C)			
THIN 8500		Thinner for acrylic products (50° - 86°F / 10° - 30°C)			
SUBSTRATES					
Compatible with the majority of solvent and waterborne basecoats available on the market.					
MIXING RATIO					
	NOVAKRYL 5900 HARDENER 5900 THIN 8500	W/o thinner		With thinner	
		Volume ratio	Weight ratio	Volume ratio	Weight ratio
		2	100	2	100
		1	50	1	50
		0	0	10%	9
Apply the thinner in the amount calculated for the clearcoat.					
CONTENT OF VOLATILE ORGANIC COMPOUNDS					
VOC (Applied 2:1)		545 g/l 4.55 lbs/ U.S.gal			
APPLICATION CONDITIONS					
It is recommended to apply the clearcoat at a temperature above 68°F / 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	45 – 55 psi	6 – 8 inches	
CAUTION: Instructions of the equipment manufacturer must be followed.	Low-pressure gravity fed spray gun	1.2 – 1.3 mm	28 psi	3 – 6 inches	


	Number of layers	W/o thinner	With thinner
		1.5	2 – 3
	Single dry layer thickness	1.18 – 1.38 mils	1.00 – 1.18 mils
	Mixture life at 68°F / 20° C	H 5900	
		2 hours	
	Flash off between layers at 68°F / 20°C	5 – 10 min	

### CURING TIMES

	H 5900	
	68°F / 20°C	140°F / 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 + 3 days at 68°F / 20 °C

CAUTION: The curing times apply to the temperatures of the individual elements.

### IR DRYING

	Distance Time depending on the type and power of the lamp	Follow the recommendations of the equipment manufacturer 10 – 25 min
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CAUTION: Start IR heating no sooner than 10 mins after applying the last layer.

### EQUIPMENT CLEANING

THIN 8500 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

NOVAKRYL 5900	24 months at 68°F/20°C
HARDENER 5900	12 months at 68°F/20°C
THIN 8500	24 months at 68°F/20°C

### SAFETY

See Safety Data Sheet.

**OTHER INFORMATION**

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.