TECHNICAL DATA SHEET No. 79

ACRYLIC CLEARCOAT
PERFECT EVOLUTION 2K HS 2:1

Product intended for professional use.

PRODUCT RANGE:

43 391	Acrylic clearcoat PERFECT EVOLUTION 2K HS 2:1; 500 ml
43 394	Hardener PERFECT EVOLUTION SLOW 1:2; 250 ml
43 397	Hardener PERFECT EVOLUTION NORMAL 1:2; 250 ml
43 400	Hardener PERFECT EVOLUTION FAST 1:2; 250 ml
43 392	Acrylic clearcoat PERFECT EVOLUTION 2K HS 2:1; 1 L
43 395	Hardener PERFECT EVOLUTION SLOW 1:2; 500 ml
43 398	Hardener PERFECT EVOLUTION NORMAL 1:2; 500 ml
43 401	Hardener PERFECT EVOLUTION FAST 1:2; 500 ml
43 393	Acrylic clearcoat PERFECT EVOLUTION 2K HS 2:1; 5 L
43 396	Hardener PERFECT EVOLUTION SLOW 1:2; 2.5 L
43 399	Hardener PERFECT EVOLUTION NORMAL 1:2; 2.5 L
43 402	Hardener PERFECT EVOLUTION FAST 1:2; 2.5 L
43 230	Thinner for acrylic products 5 L
43 146	Thinner for acrylic products 500 ml

CHARACTERISTICS:

High quality HS-class 2:1 acrylic clearcoat, designed for paint work overhauls and local repairs. It is characterized by good drying times, flow and excellent gloss. During application, it offers adequate stability to minimize the risk of patching. After drying, the product forms a flexible coat with very good performance parameters. PERFECT EVOLUTION clearcoat has a high resistance to UV rays and changing weather conditions to guarantee a lasting and unchanging coat quality. Slow, Normal and Fast hardeners provide the options for the application of the clearcoat at various ambient temperatures. It ensures easy and trouble-free polishing.

PHYSICAL AND CHEMICAL PROPERTIES:

Colourless liquid with an aromatic, sweet smell.
Volatile organic compounds content in ready-to-use product < 840 g/L.

APPLICATIONS

SUBSTRATE:

- solvent-borne basecoats,
- water-borne basecoats,
- paint coatings,
- plastics,
- wood.

PRODUCT PREPARATION:

INGREDIENTS:		**MIXING PROPORTIONS BY VOLUME**
	PERFECT EVOLUTION clearcoat	2
	PERFECT EVOLUTION hardener	1
	POLFILL thinner for acrylic products	0 – 10%
Mix the clearcoat with hardener thoroughly; if necessary, add POLFILL thinner for acrylic products; mix until a homogeneous consistency.		
Do not exceed the recommended amounts of thinner and curing agent. ***Do not add an accelerator for acrylic products***		

HARDENER USED:

Slow, Normal or Fast PERFECT EVOLUTION hardener sold together with the clearcoat.

SPRAY VISCOSITY:

AMOUNT OF THINNER ADDED		**SPRAY VISCOSITY ACHIEVED**
	0% 5% 10%	18 - 20 s, Ø 4/20°C 17 - 18 s, Ø 4/20°C 16 - 17 s, Ø 4/20°C

APPLICATION:

	Apply with a spray gun equipped with a 1.2 - 1.4 mm diameter nozzle at the pressure recommended by the equipment manufacturer. Number of layers: 1.5 – 2
	Mixture pot life: 30 - 60 minutes at 20ºC depending on the hardener used.
	Evaporation time between layers: 8 minutes at 20°C

APPLICATION CONDITIONS:

Use at temperatures from 10°C to 28°C and relative humidity ≤ 75%

DRYING TIME:

	Dust dry:	30 minutes at 20°C
	Usable hardener:	20°C - 12-14 hours 60°C - 25-30 minutes (and after the ambient temperature has been reached)
	IR heater	Flash-off - 3 minutes Full-bake - 2 x 7-8 minutes* * Complete the procedure, then cool the processed part down to the ambient temperature, and repeat the full-bake process.
	Full cure:	3 - 4 days
	Temperatures below 20°C extend the curing time.	

CLEANING THE EQUIPMENT:

Clean the equipment immediately after work, using:

POLFILL NITRO thinner
POLFILL thinner for ACRYLIC PRODUCTS

STORAGE:

Store in original, tightly closed containers, in a dry, cool place, away from sources of heat and ignition, at a temperature from 5 to 25°C. Do not expose to direct sunlight.

WARRANTY PERIOD:

The warranty period is given on the product label.

HEALTH & SAFETY RECOMMENDATIONS:

Product safety data sheet and applicable health and safety regulations for working with chemical agents.

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