

2K Acrylic UHS SMART varnish - Polaron-Acryl/C2-UHS Fast Cure SMART Clear coat

Field of application

Suitable for passenger cars and commercial vehicles. For application as a clear top coat over basecoats.

General Information

P-Acryl/C2 UHS Fast Cure Smart Clear Coat is a product containing very high-quality acrylic resins. Even though it dries quickly, unlike similar fast clear coats, it can be used easily in both partial and complete vehicle coating. It is a full performance high solid product that is resistant to atmospheric conditions, has very high gloss, high scratch resistance and fuel resistance, also an excellent surface and spreading feature.

P-Acryl/C2 UHS Fast Cure Smart Clear Coat, which dries in **20 minutes at 60 °C and 4 hours at 20 °C**, saves time and energy for the sprayer, while also reducing labor costs with its easy paste polish feature.

Should only be used with P-UHS Fast Cure Hardener!

Preparation of Substrate

Apply on top of a clean and dust free Polaron basecoat (the use of a tack rag is recommended to remove dust from the basecoat film).

Hardener and Thinner Selection

P UHS Fast Cure Hardener

***** At low temperatures, a maximum of 5-10% T 8-18 Universal Thinner Fast can be added.**

Mixing Ratio

Mixing Ratio with Hardener



2: 1 P-Acryl/C2 UHS Fast Cure Clear Coat: P UHS Fast Cure Hardener
Application Viscosity DIN4 20 °C: 18-19''

2: 1 P-Acryl/C2 UHS Fast Cure Clear Coat: P UHS Fast Cure Hardener + max. %10 T 8-18
Universal Thinner Fast
Application Viscosity DIN4 20 °C: 17-18''

Mix Table

	Mixing Ratio	Volume (L)	Weight (gr)	Mixing Ratio	Volume (L)	Weight (gr)
P-Acryl/C2 UHS Fast Cure Clear Coat	2	1,00	1.000,00	2	1,00	1.000,00
P UHS Fast Cure Hardener	1	0,50	500	1	0,50	500
Polaron Universal Thinner	-		-	0,2	0,10	86
Total Weight (g)			1.500,00			1.630,00
Application Viscosity DIN4 20 °C	18-19''			17-18''		
Pot life at 20 °C	40-50 minutes			40-50 minutes		

Application

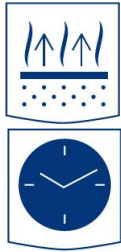


Spray gun nozzle (mm)	1,2-1,3
Air Pressure (Bar) RP, LVL	1,8-2,2
Conventional Guns Air Pressure (Bar)	3,0-3,5
HVLP (Bar)	0,5-0,7
Number of Coats	1 medium coat+1 full coat
Between Coats	5-10 minutes

*** The first coat should be applied closely and quickly.

*** Mask entire vehicle to eliminate unwanted overspray

Drying Times



	Air Dry 20 °C	Forced Dry 60 °C
Flash Off	10-15 minutes	10-15 minutes
Dust free	1 hour	-
Dry to handle	3 hours	20 minutes
Dry to polish	4 hours	after cooling down
Total Film Build	50-60 µm	

***All these drying conditions occur under standard application conditions (20-25 °C and 50-55 % relative humidity.) All conditions may change depending on temperature, relative humidity, and environmental conditions.

*** If there are too many coats or not enough time is waited between applications, there may be matting

Sanding

Required before recoating to ensure good adhesion

DRY : P500

WET : P800

Polishing

If polishing is required, i.e. to remove dirt nibs, it is recommended that it is carried out between 1 hour and 24 hours after the quoted drying time. Denib with P1200, followed by P1500 dry disc. Lightly damp a 3M Trizact P3000 disc or similar with clean water ensuring that the P1500 scratches are eliminated.

Gloss : High Gloss

Storage life : Under normal storage conditions and unopened tins up to 2 years.

Cleaning of Equipment



After use, clean all equipment with Universal Acrylic Thinners and Cleaning Thinners

Protection



Use suitable respiratory protection (fresh air supply respirator is strongly recommended).



For more detailed information please see Safety Data Sheet.



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