

## TECHNICAL DATA SHEET

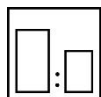
### *2K Acrylic UHS varnish - scratch resistant P-Acryl/C2 UHS*

Field of application	For application as a clear top coat over base coats. Suitable for passenger cars, commercial vehicles and yacht.
Chemical bases	Clear acrylic finish based on extremely high-resistance hydroxyl-acrylic resins.
General qualities	P-Acryl/C2 UHS Scratch Resistant Clear Coat is a highly glossy, resistant to atmospheric conditions, high fuel resistance and scratch resistance, multi-purpose, ultra high solid clear coat. It can be used on yachts, automobiles, wood, ceramic, galvanized, sheet metal and aluminum surfaces. It has excellent adhesion. It gives 60 micron dry film in one layer application. If more coats are to be applied, at least 30 minutes (23°C) must be waited between coats. Can be both air-dried and forced-dried.
Auxiliary materials	<a href="#">P UHS Hardener</a> , Polaron Thinners <a href="#">T 8-18</a> / <a href="#">18-25</a> / <a href="#">25-35</a> .
Mixing ratio (volume)	2:1 (2: P-Acryl/C2 UHS Scratch Resistant Clear Coat, 1: P UHS Hardener) If needed can be add 8-12 % Universal Thinners according to the weather conditions.
Gloss	High gloss
Economy	Approx. 10 m <sup>2</sup> /L/60 µm
Substrates	Basecoats
Cleaning the equipment:	Universal Acrylic Thinners and Cleaning Thinners
Colour	Clear
Storage life	Under normal storage conditions and unopened tins up to 2 years.

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#### APPLICATION DATA



Mixing ratio

2:1 (2: P-Acryl/C2 UHS Scratch Resistant Clear Coat,  
1: Polaron P UHS hardener)



Application viscosity

18-22 sec. (DIN CUP 4 mm/ 20 °C)  
8-12 % Polaron Universal Thinners  
After thinning operation and during continuous mixing  
18-25 sec (DIN CUP 4 mm/ 20 °C)



Gravity feed

Spray nozzle (mm)      Pressure (bar)

1.3-1.5

3.5-4.5



Suction feed

1.3-1.5

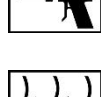
3.5-4.5



Pressure Tank

1.1-1.3

3.5-4.5



HVLP/LVLP

1.3-1.5

see  
info manufacturer



Spray coats/  
Coat thickness

1 full coat  
60 µm and over



Flash-off time  
Hint

20-25 min. at 20 °C  
If there are too many coats or not enough time is  
waited between applications, there may be matting



Drying

20 °C approx. 24 hours  
80 °C approx. 30 min



Pot life

20 °C approx 3 hours (depending on temperature)



Safety

Use suitable respiratory protection (fresh air supply  
respirator is strongly recommended).  
For more detailed information please see Safety  
Data Sheet.

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