

**TECHNICAL DATA SHEET**

Revision date: 10.01.2022

**UHS CLEAR COAT SCRATCH PROOF**

- Article number:** 11775, 11778
- Colour:** transparent
- Intended use:** Car refinishing product/ Clear coating material, varnish
- General characteristics:**

UHS Clear coat scratch proof is a two components acrylic clear coat in high-solid quality of high scratch resistance.

Based on reflow technology, this product provides an outstanding protection coupled with resistance to microscratches (e.g. by car wash) and chemicals. Therefore it is especially recommended for high quality complete or partial painting of cars, motorcycles and commercial vehicles.

UHS Clear coat scratch proof is a high performance product for clear over base process with utility across a broad range of solvent borne or waterborne paint systems.

Fulfils the requirements for VOC regulations.

**Painting preparation process:**

- Hardener:** Chamäleon UHS Hardener standard/fast (277/278)
- Mixing ratio:** 2:1 (by volume)
- Dilution:** without thinner
- Spraying viscosity 4 mm DIN (20°C):** 18 - 20 s
- Pot life at 20 °C:** 4 - 6 h with UHS Hardener 277 / 1- 4 h with UHS Hardener fast 278

**Application process:**

Application method	Pressure	Nozzle
Air / Flowjar - spray gun	2.0 - 2.5 bar	1.2 - 1.4 mm

HVLP	2.0 - 2.5 bar	1.2 - 1.4 mm
	0.7 bar internal nozzle pressure	

<b>Spraying operations</b>	<b>DFT</b>	<b>Consumption</b>
1-2	40 - 50 µm	6 - 8 m <sup>2</sup> / l

<b>Flash-off time</b>	<b>Between the coatings</b>	<b>Before the oven drying</b>
	5 - 10 min.	-

### Processing conditions:

Please only use in an adequate ventilated environment with an ample supply of fresh air. Processing temperature should be at least +10 °C and max. air humidity should not exceed 75%.

<b>Drying</b>	<b>Dust dry</b>	<b>Set to touch</b>	<b>Full hardness</b>
<b>Object temperature 20 °C</b>	25-30 min.	6-8 h	24 h
<b>Object temperature 60 °C</b>	5 min.	30 min.	1 h

### VOC regulation:

EU limit value (cat. B/e): 840 g/l

This product contains max. 500 g/l VOC (ready to apply mixture) [4.26 lbs/gal]

### Processing tips:

By BC paints apply a thin film (sticking operation), flash off approx. 3 - 5 min. and then recoat by 1 - 2 normal spraying operations.

**Storage life:** at least 3 years, if stored in tightly closed original containers

This release replaces all eventually earlier issued versions.

For additional information, not contained in this Technical data sheet, please contact the supplier via:  
info@chamaeleon-produktion.de

For safety information, please refer to the corresponding Safety data sheet.