

**TECHNICAL DATA SHEET***Revision date: 30.01.2024***UHS 2K CLEAR COAT SCRATCH PROOF SLOW**

<b>Article number:</b>	<b>11785, 11788</b>
<b>Colour:</b>	transparent
<b>Intended use:</b>	Car refinishing product/ Clear coating material, varnish
<b>Substrates:</b>	Base coat
<b>General characteristics:</b>	<p>2K UHS Clear coat scratch proof with high scratch resistance. This product provides excellent protection against UV and weathering influences. It also has very good resistance against micro scratches (e.g. by car wash) and chemicals. Therefore, this clear coat is especially recommended for high quality cars, motorcycles and commercial vehicles. UHS Clear coat scratch proof slow is a high-performance product for the clear over base process which can be used across a broad range of solvent- or waterborne paint systems.</p> <p>Optimized for application in temperatures above 25 °C/77 °F</p>

**PAINTING PREPARATION PROCESS****Hardener:** Chamäleon 277 UHS Hardener standard**Dilution:** without thinner**Mixing ratio (by volume):** 2:1**Mixing ratio (by weight):**

No thinner is added. Do not zero the scale when mixing.

Clear coat, g	Hardener, g	Total weight, g	Mixture quantity, ml
66	33	99	100
133	65	198	200
199	98	297	300

266	130	396	400
332	163	495	500
398	195	594	600
465	228	693	700
531	260	791	800
598	293	890	900
664	325	989	1000

Spraying viscosity 4 mm DIN (20°C): 18 - 21 s

Pot life at 20 °C: 4 h

## APPLICATION PROCESS

### Processing conditions:

Please only use in an adequate ventilated environment with an ample supply of fresh air. Processing temperature should be at least +12 °C and max. air humidity should not exceed 80%.

Application method	Pressure	Nozzle
Gravity spray gun	2.0 - 2.5 bar	1.2 - 1.3 mm
HVLP	2.0 - 2.2 bar	1.2 - 1.3 mm

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

Flash-off time	Between the coatings	Before the oven drying
	5 - 10 min	10 - 15 min

Drying	Dust free	Set to touch	Full hardness
Object temperature 20 °C	25 - 30 min	6 - 8 h	24 h
Object temperature 60 °C		30 min	1 h
IR-drying shortwave*	8 min		
IR-drying mediumwave*	10 - 15 min		

\*During IR-drying the object temperature should not exceed 60 - 70 °C

### Polishing:

After full hardness time, recommended Chamäleon polishing compounds LASER

### VOC regulation:

EU limit value: Category B/e 840 g/l

This product contains max. 469 g/l VOC



CHAMÄLEON GMBH / RUDOLF-DIESEL-STRASSE 8A / 69115 HEIDELBERG / GERMANY

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- **Shelf life:**  
36 months, 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](mailto:info@chamaeleon-produktion.de)

For safety information, please refer to the corresponding Safety Data Sheet.