

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

Article number:	11775, 11778
Colour:	transparent
Intended use:	Car refinishing product / Clear coating material, varnish
Substrates:	Base coat
General characteristics:	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 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.

PAINTING PREPARATION PROCESS**Hardener:** Chamäleon UHS Hardeners: 277 standard, 278 fast**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 - 20 s

Pot life at 20 °C: 4 - 6 h with UHS Hardener 277; 1- 4 h with UHS Hardener fast 278

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 75%.

Application method	Pressure	Nozzle
Gravity spray gun	2.0 - 2.5 bar	1.2 - 1.4 mm
HVLP	2.0 - 2.5 bar	1.2 - 1.4 mm

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

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

Processing tips:

With base coat paints, apply a half layer (sticking operation) first, flash off approx. 3 - 5 min. and then recoat with 1 - 2 normal spraying operations.

Polishing:

After full hardness time, recommended Chamäleon polishing compounds LASER



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■ **VOC regulation:**

EU limit value: Category B/e 840 g/l
This product contains max. 503 g/l VOC

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

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