

## TECHNICAL DATA SHEET

Revision date: 30.01.2024

# UHS 2K CLEAR COAT LOW VOC MIRROR GLOSS

<b>Article number:</b>	11665, 11668
<b>Colour:</b>	transparent
<b>Intended use:</b>	Car refinishing product/ Clear coating material, varnish
<b>Substrates:</b>	Base coat
<b>General characteristics:</b>	2K UHS Clear coat LOW VOC is a VOC-compliant ultra high solid clear coat for complete or partial paintwork of cars and commercial vehicles. It provides an especially brilliant finish and optimal flow on solvent-based or water-based basecoats. This clear coat guarantees optimal curing, especially in case of drying in a spray booth but also at room temperature. It can be polished immediately after forced drying and is highly resistant to all kind of weathering as well as to mechanical stress and chemical agents. Also, suitable as protective coating for neon colors (fluorescent colors).

## PAINTING PREPARATION PROCESS

**Hardener:** Chamäleon Hardeners for LOW VOC clear coat: 226 standard; 227 fast; 228 slow.

**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
67	35	101	100
134	69	203	200
201	104	304	300
268	138	406	400
335	173	507	500

402	207	609	600
469	242	710	700
535	276	812	800
602	311	913	900
669	345	1015	1000

**Spraying viscosity 4 mm DIN (20°C):** 19 - 22 s

**Pot life at 20 °C:** 2.5 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 - 1.4 mm
HVLP	2.0 - 2.2 bar	1.2 - 1.4 mm

Spraying operations	DFT	Consumption
1.5	50 - 60 µm	10 - 12 m <sup>2</sup> /l

Flash-off time	Between the coatings	Before the oven drying
	1 - 3 min	10 - 15 min

Drying	Dust free	Set to touch	Ready for assembly
Object temperature 20 °C	25 - 35 min	12 h	24 h
Object temperature 60 °C	-	30 min	2 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:

Optimal application: apply a light continuous spray coat followed by 1 full spray coat. In order to assure a perfect curing, we recommend forced drying.

### Polishing:

After full hardness time, recommended Chamäleon polishing compounds LASER

### VOC regulation:

EU limit value: Category B/d 420 g/l

This product contains max. 407 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](mailto:info@chamaeleon-produktion.de)

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