

TECHNICAL DATA SHEET

Revision date: 30.01.2024

UHS 2K CLEAR COAT LOW VOC

Article number:	11665, 11668
Colour:	transparent
Intended use:	Car refinishing product/ Clear coating material, varnish
Substrates:	Base coat
General characteristics:	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 ² /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



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

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

FON 0049 (0) 6221 - 520 440
FAX 0049 (0) 6221 - 520 449
MAIL INFO@CHAMAELEON-PRODUKTION.DE
WEB WWW.CHAMAELEON-PRODUKTION.DE

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

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

VAT NO. / UST-ID NR.: DE231468544
EORI NO. / EORI NR.: DE6029442
CEO / GESCHÄFTSFÜHRER: SASCHA HAGEMANN
TRADE REGISTER NO. / HANDELSREGISTER NR.: AMTSGERICHT MANNHEIM HRB 9778

BANK: HEIDELBERGER VOLKSBANK EG
IBAN: DE78 6729 0000 0042 8627 03
BIC: GENODE61HD