

TECHNICAL DATA SHEET

Revision date: 20.04.2024

UHS 2K CLEAR COAT 3 in 1

Article number:**Colour:** transparent**Intended use:** Car refinishing product/ Clear coating material, Varnish**Substrates:** Basecoat

General characteristics: 2K UHS low VOC clear coat which can be used for spot repair, partial painting, complete repainting.

- complies with VOC guidelines
- very high solid content
- easy to use, to apply and to polish once cured
- high stability and excellent flow properties
- perfect resistance against weathering and yellowing
- adjustable to very fast drying times
- high gloss level

PAINTING PREPARATION PROCESS

Hardener: UHS Hardener for Clear coat 3 in 1 standard, fast, slow**Dilution:** 0 - 20 % Chamäleon UNI Thinner 322/323**Mixing ratio (by volume):** 2:1**Spraying viscosity 4 mm DIN (20 °C):** mixture 20 s; clear coat 45 s; hardener 12 s**Pot life at 20 °C:** 1 h with slow and standard hardeners; 45 min with a fast hardener

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%.

Substrate pre-treatment:

- Existing paint coats must be cleaned and sanded with P1200-1500.

- Remove all sanding dust and decrease/clean with silicone remover.

Application method	Pressure	Nozzle
Gravity spray gun	1.8 - 2.2 bar	1.2 - 1.3 mm
HVLP	1.8 - 2.2 bar	1.3 - 1.4 mm

Spraying operations	DFT	Consumption
2	40 - 60 µm	approx. 9.1 m ² /l

ATTENTION: Apply a medium-wet coat followed by a full-wet coat.

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

Drying	Slow hardener	Standard hardener	Fast hardener	Fast hardener + max. 5% fast thinner
Object temperature 20 °C	3 h	2 h	1 h	-
Object temperature 60 °C	30 min	20 - 30 min	10 min	-
Object temperature 40 °C	-	-	-	20 min
IR-drying shortwave*	15 min			

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

Processing tips:

The best results are achieved if the clear coat is brought up to the spraying temperature before application (20 - 25°C).

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. 420 g/l VOC

Shelf life:

12 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.