

## TECHNICAL DATA SHEET

Revision date: 30.01.2024

# UHS 2K CLEAR COAT LOW VOC

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.