

## TECHNICAL DATA SHEET

Revision date: 16.07.2024

### BASE COAT

<b>Article number:</b>	51xxx
<b>Colour:</b>	various
<b>Intended use:</b>	Car refinishing product/ Lacquer
<b>Substrates:</b>	Primers
<b>General characteristics:</b>	Base-coat enamel specially formulated for the complete or partial respray of commercial vehicles, machines, motorcycles and heavy goods vehicles in clear over base system. By overcoating with 2K clear coat a high gloss, weather resistant paintcoat is obtained. All colours are free from lead and chromate pigments.

### PAINTING PREPARATION PROCESS

**Hardener:** without hardener  
**Dilution:** Chamäleon UNI Thinner 322/323, addition up to 50 %  
**Spraying viscosity 4 mm DIN (20°C):** 16 - 18 s  
**Pot life at 20 °C:** 2 - 3 h

### APPLICATION PROCESS

Before use, carefully read and observe the warning texts on the label!

#### 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 - 1.3 mm
HVLP	2.0 - 2.5 bar	1.2 - 1.3 mm

<b>Spraying operations</b>	<b>DFT</b>	<b>Consumption</b>
2 - 3	15 - 20 µm	7 - 9 m <sup>2</sup> / l

<b>Flash-off time</b>	<b>Between the coatings</b>
	2 - 5 min

<b>Drying</b>	<b>Recoatable</b>
Object temperature 20 °C	10 - 15 min

### Processing tips:

- Stir Base coat thoroughly before use. Check colour match before application.
- Apply 2-3 layers of Base coat uniformly as follows:  
Apply every layer semi-wet and flowing. Observe the flash-off time between the spray passes and let each layer dry to a matt finish. Do not apply too wet (to avoid mottling when applying effect colours). In case of mottling, allow the film to start drying and spray a uniform mist coat from higher distance to the object to be painted. This spreads the effect pigments more homogeneously and mottling can be removed. Be careful not to apply too much spray mist as this may lead to marks and possibly to colour deviations.

### Application of poorly covering colours:

Chamäleon Base coat colours, which have a low hiding power due to their shade, e.g. bright white colours; tend to higher film build. This may result in greatly increased drying times and can lead to clear coat adhesion problems. As a precaution, we recommend using a suitable filler shade (for example a white or light grey shade) or adding hardener to the basecoat as follows:

- Chamäleon Base coat + Chamäleon UNI Hardener standard 250. Mixing ratio 10:1 by volume, + 40-50% Chamäleon UNI Thinner 322. The final flash-off time before overcoating with clear coat should be at least 20 min at room temperature.

### Single-layer coating for interior use (e.g. engine compartment):

Cross-linking with the hardener considerably increases the mechanical and chemical resistance of Chamäleon Base coat. Therefore, these coatings can be applied without clear coat in engine compartments. We recommend the following mixing ratios:

- Chamäleon Base coat + Chamäleon UNI Hardener standard 250. Mixing ratio to achieve a semi-gloss coating: 2:1 by volume (paint: hardener) + 30-40% Chamäleon UNI Thinner 322
- Chamäleon Base coat + Chamäleon UNI Hardener standard 250. Mixing ratio to achieve a satin matt coating: 5:1 by volume (paint: hardener) + 30-40% Chamäleon UNI Thinner 322

**NOTE:** Since the gloss level strongly depends on the colour used, we recommend a test application to assess the actual gloss level.

## ATTENTION

Not suitable to be applied on old thermoplastic paintworks



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

- **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.

VAT NO. / UST-ID NR.: DE231468544  
EORI NO. / EORI NR.: DE6029442  
CEO / GESCHÄFTSFÜHRER: SASCHA HAGEMANN  
TRADE REGISTER NO. / HANDELSREGISTER NR.: AMTSGERICHT MANNHEIM HRB 9778  
Chamäleon GmbH – Technical Data Sheet

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