

**TECHNICAL DATA SHEET***Revision date: 01.07.2024***WATER BASED UNDERBODY PROTECTION**

<b>Article number:</b>	<b>37245, 37246</b>
<b>Colour:</b>	black, grey
<b>Intended use:</b>	Car refinishing product/ Protective coating
<b>General characteristics:</b>	<p>Water-dilutable and environmentally friendly stone-chip protection paint with sound absorbing properties. Also suitable as an insulating primer with smooth surface. Due to its excellent sound deadening properties, product is perfectly suitable for interior coatings of front hoods and boot lids, doors, sheet metal structures, etc. to eliminate vibration-related noise.</p> <ul style="list-style-type: none"><li>▪ ensures permanently a particularly soft surface even in elevated film thicknesses</li><li>▪ excellent stone chip resistance</li><li>▪ very good adhesive strength</li><li>▪ shock- and scratch-resistant</li><li>▪ permanently elastic even with large temperature fluctuations</li><li>▪ resistant to cold cleaning after curing</li><li>▪ resistant to salt water and road salt</li><li>▪ resistant to neutral salt spray (DIN): 1000 h</li></ul>

**PAINTING PREPARATION PROCESS****Hardener:** without hardener**Dilution:** ready to use, addition of up to 10% water possible if used as insulating primer**Substrate pre-treatment:**

The substrate must be clean, dry, and free from rust and grease. Remove old/loose coatings or primers. Before starting to spray, degrease the surface with silicone remover and mask off the motor, exhaust pipes, stub axles, cardan shaft and brake system as they may not be sprayed!

Old paint coating	Degrease, dry sand with P220-320, blow off, degrease again In order to provide an even higher corrosion protection we recommend a priming with Chamäleon Epoxy primer 455 before applying Underbody protection WB
Galvanized steel	Degrease, dry sand with P220-320, blow off, degrease again. Chamäleon Epoxy primer 455 should be applied.
Aluminium	Degrease, dry sand P220-320 or mat with an abrasive finishing pad, degrease again. Chamäleon Epoxy primer 455 should also be applied.
Steel	Degrease, dry sand with P120-320, blow off, degrease again. Protect against corrosion with Chamäleon Epoxy primer 455
Zinc	Must be pre-treated with an ammoniac wetting agent

## 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	1.3 - 1.5 mm
HVLP	2.0 - 2.2 bar	1.3 - 1.5 mm
UBS spray gun	4.0 - 6.0	5 - 10 mm
Airmix / Airless	100 - 120	0.33 - 0.50 mm

Spraying operations	DFT	Consumption
2	100 - 300 µm 35 - 45 µm (as insulating primer)	2.5 - 5 m <sup>2</sup> /l

Flash-off time	Between the coatings	Before the oven drying
	5 - 8 min	10 - 15 min

Drying	Dust free	Set to touch	Ready for assembly	Re-coatable
Object temperature 20 °C	25 - 30 min	30 - 35 min	24 h	60 min
Object temperature 60 °C		10 - 15 min	1 h	15 - 20 min

### Processing tips:

- Before use, shake the container thoroughly.
- For application, an underbody spray gun with a 5 - 10 mm nozzle is screwed onto the 1 litre cartridge.
- Apply Water based underbody protection evenly with an air pressure of 4 - 6 bar with the desired texture.

- A coarser texture can be achieved by reducing the spraying pressure, and a finer texture by increasing it.

## ATTENTION

Product is water-based, so temperatures below 5°C can damage the product! Therefore, please always store in adequately tempered rooms and pay attention during transportation!

## Sanding:

As flexible and structured coating, Water based underbody protection doesn't require usual sanding. If needed it can be sanded slightly with scotch-brite.

## VOC regulation:

EU limit value: Category B/e 840 g/l

This product contains max. 100 g/l VOC

## Shelf life:

24 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.