

TECHNICAL DATA SHEET*Revision date: 01.07.2024***2K GUARD TRUCK BED LINER TINTABLE**

Article number:	37416
Colour:	base coat or mix-system
Intended use:	Car refinishing product/ Protection paint or bed liner
General characteristics:	<p>Highly resistant 2K polyurethan-acrylic paint for a scratch-resistant and robust tintable coating of truck bed surfaces (e.g. Pick-Up truck beds) and of all heavy duty surfaces on commercial vehicles, offroad vehicles, camping cars, trailers and SUVs etc.</p> <ul style="list-style-type: none">▪ high UV and weathering resistance▪ outstanding vertical stability allows applying extremely high-build coatings▪ excellent shock and scratch resistance▪ high resistance to fuels and oils▪ provides noise reduction▪ perfect mechanical and chemical resistance▪ short-term temperature resistance: 180 °C▪ permanent temperature resistance: 150 °C <p>Fields of application:</p> <ul style="list-style-type: none">▪ bodies of SUVs and off-road vehicles▪ rims of SUVs and off-road vehicles▪ floors and storage areas in caravans▪ underbodies and chassis▪ bull-bars, running boards, roof racks, spare wheel covers etc.▪ fender well▪ access ramps, decks of recovery vehicles and trailers

PAINTING PREPARATION PROCESS**Hardener:** Chamäleon 241 Hardener for 2K Truck bed liner

- Mixing ratio (by volume): 3:1**
Dilution: ready to use, addition of up to 10 - 20 % Chamäleon UNI Thinner 322 if applied by HVLP (depending on the needed texture)
Pot life at 20 °C: 1 - 1.5 h

MIXING INSTRUCTIONS

Option 1 (application with UBS gun)

1. Shake the closed can with 2K Guard truck bed liner tintable vigorously
2. Add 250 ml hardener, close the can and shake vigorously for approx. 2 min
3. Add 100 ml undiluted Base coat and shake vigorously for approx. 2 min

Option 2 (application with gravity spray guns (complete set))

1. Shake the closed can with 2K Guard truck bed liner tintable vigorously
2. Pour 750 ml Guard in a mixing cup, add 250 ml hardener and mix thoroughly
3. Add 100 ml Base coat plus thinner and mix thoroughly

Option 3 (application with gravity spray guns (smaller amounts))

1. Shake the closed can with 2K Guard truck bed liner tintable vigorously
2. Pour a small amount of Guard in a mixing cup, add the hardener in a mixing ratio of 3:1 by volume and mix thoroughly
3. Add 10 % (by volume) of Base coat plus thinner and mix thoroughly

Substrate pre-treatment:

The substrate must be clean, dry, free from rust and grease. Remove old/loose coatings or primers.

Steel	Degrease, dry sand with P240-320, blow off, degrease again. Apply suitable Chamäleon primers (first 2K Wash primer 404/2K Epoxy primer 455, afterwards Filling primer)
Zinc	Must be pre-treated with the ammoniac wetting agent. Apply suitable Chamäleon primers (first 2K Wash primer 404/2K Epoxy primer 455, afterwards Filling primer)
Aluminium	Degrease, dry sand with P240-320, blow off, degrease again. Apply suitable Chamäleon primers (first 2K Wash primer 404/2K Epoxy primer 455, afterwards Filling primer)
Wooden substrates	Degrease, sand slightly, blow off. If a very smooth surface is needed, use a suitable 1K or 2K Chamäleon Primer/Filler. ATTENTION: Not suitable to coat very oily and highly resinous woods (e.g. teak)
GRP	Degrease, mat with an abrasive finishing pad, degrease again. *If irregularities must be levelled use priming coat: Chamäleon 2K Epoxy primer 455/Chamäleon 2K All in one primer 466
Old paint coating	Degrease, dry sand with P220-280, blow off, degrease again. *If irregularities must be levelled use a suitable priming/filling coat, for

example Chamäleon 1K Isolator primer 411

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
UBS spray gun	2.0 - 4.0 bar	-
HVLP	2.0 - 4.0 bar	1.6 - 2.5 mm

Spraying operations	DFT	Consumption
2 - 3	100 - 380 µm	4.7 m ² /l by 100 µm DFT 3 m ² /l by 200 µm DFT

Flash-off time	Between the coatings	Before the oven drying
	10 - 60 min	10 - 15 min

Drying	Dust free	Set to touch	Ready for assembly
Object temperature 20 °C	15 - 20 min	3 - 4 h	24 h
Object temperature 60 °C	-	30 min	1 - 2 h

	Application method	Application of a rough texture
	UBS-spray gun	<ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 3 - 4 bar to achieve a full coverage. 2. Flash-off time 10 min - 1 h 3. To achieve the desired texture reduce the pressure to 1 - 1.5 bar and increase the spray distance to 45 - 60 cm.
	HVLP (low pressure)	Nozzle settings: 2.5 mm Dilution: 10% Chamäleon UNI Thinner 322 <ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 2 bar to achieve a full coverage. 2. Flash-off time: 10 min - 1 h 3. To achieve the desired texture reduce the pressure to approx. 1 bar and increase the spray distance to 40 - 50 cm.

	UBS-spray gun	<ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 3 - 4 bar to achieve a full coverage. 2. Flash-off time: 10 min -1 h 3. To achieve the desired texture reduce the pressure to approx. 2 bar und increase the spray distance to 45 - 60 cm.
	HVLP (low pressure)	<p>Nozzle settings: 2.0 - 2.5 mm Dilution: 15% Chamäleon UNI Thinner 322</p> <ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 2 bar to achieve a full coverage. 2. Flash-off time: 10 min -1 h 3. To achieve the desired texture reduce the pressure to approx. 1.5 bar and increase the spray distance to 45 - 60 cm.
	UBS-spray gun	<ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 3 - 4 bar to achieve a full coverage. 2. Flash-off time 10 min -1 h 3. To achieve the desired texture, set the pressure to 3 - 4 bar and increase the spray distance to 90 cm.
	HVLP (low pressure)	<p>Nozzle settings: 1.6 - 1.8 mm Dilution: 20% Chamäleon UNI Thinner 322</p> <ol style="list-style-type: none"> 1. Apply a uniform coat with a pressure 2 bar to achieve a full coverage. 2. Flash-off time: 10 min -1 h 3. To achieve the desired texture increase the spray distance to 60 cm.

Processing tips:

- Check colour before application.
- We recommend making a test application to check the desirable structure.
- Texture and gloss affect the color.
- To achieve a uniform texture, apply the second layer as drop coat.
- Spray distance and spray pressure change the texture.

ATTENTION

Masking- or adhesive tapes which have been overcoated with 2K Guard truck bed liner, must be removed immediately after application. Otherwise, the fresh paint will be peeled off with the adhesive tape.

Related Chamäleon products:

Hardener	241 Hardener for 2K Truck bed liner
Thinner	322 UNI Thinner



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- **VOC regulation:**
EU limit value: EU limit value: Category B/e 840 g/l
This product contains max. 500 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.

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