

TECHNICAL DATA SHEET

Revision date: 30.01.2024

HS 2K CLEAR COAT SCRATCH PROOF

Article number:	11554, 11555, 11558
Colour:	transparent
Intended use:	Car refinishing product/ Clear coating material, varnish
Substrates:	Base coat
General characteristics:	2K HS Clear coat with scratch resistant properties and good UV protection. Excellent gloss and stability of the paint is assured even by one coat application. Therefore, important economy of material and processing time is obtained. Excellent durability against all environmental and climatic circumstances, yellowing resistant and durable gloss.

PAINTING PREPARATION PROCESS

Hardener: Chamäleon Hardeners: 250 UNI; 235 UNI fast; 221 UNI slow; 222 HS.

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
66	33	99	100
132	65	197	200
198	98	296	300
264	130	394	400
330	163	493	500
396	195	592	600
462	228	690	700
529	260	789	800
595	293	887	900

661	325	986	1000
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Spraying viscosity 4 mm DIN (20°C): 16 - 18 s

Pot life at 20 °C: 1 h with UNI Hardener fast 235; 4 h with UNI Hardener 250; 6 h with UNI Hardener slow 221

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 75%.

Application method	Pressure	Nozzle
Gravity spray gun	2.0 - 2.5 bar	1.2 - 1.3 mm
HVLP	2.0 - 2.2 bar	1.2 - 1.3 mm

Spraying operations	DFT	Consumption
1 - 2	40 - 50 µm	6 - 8 m ² / l

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

Drying	Dust free	Set to touch	Full hardness
Object temperature 20 °C	25-30 min	10-12 h	24 h
Object temperature 60 °C	5 min	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

Polishing:

After full hardness time, recommended Chamäleon polishing compounds LASER

VOC regulation:

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

This product contains max. 546 g/l VOC

Shelf life:

36 months, if stored in tightly closed original containers

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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.