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TECHNICAL DATA SHEET

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AIR DRY CLEAR COAT UHS

Article number: 11895, 11898

Intended use: Car refinishing Product/ Varnish

Application: Air Dry Clear Coat UHS has been optimized for both water and solvent based bi-coat systems in spot repairs. It is well known for its curing speed, with the car available in only 40 minutes after the application. There is no need for a heat treatment in the spray booth, which will save a significant amount of time in the painting cycle and greatly increase the productivity. The drying time in spray booth is 10 minutes at 60°C or 20 minutes at 40°C. The drying time using IR is only 5 minutes. Air Dry Clear Coat UHS can be polished after approx. 60 minutes. It has excellent UV, scratch and chemical resistance. Air Dry Clear Coat UHS is compliant with the European Norm 2004/42/CE, with a lower VOC Content than conventional clears.

Physical properties:

Density at 20°C (g/cc):	0,98 ± 0,02
%Solids content (weight/volume):	52.5 % ± 2 weight; 43 % ± 2 vol. (Mixed with hardener)
V.O.C. (g/l):	415 (Ready to use) - (2004/42/CE) IIB (D) (420)

Surface preparation:

The to be repaired surfaces must be properly primed, filled, sanded and degreased. Remove dust with a tack cloth.

Then apply the clear coat directly on the basecoat (both Solvent or Water-Based), after the basecoat is completely cured.



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Application instructions:

Apply two crossed hands layers with 5-10 minutes in between the layers for the flash-off. The best results have been obtained with gravity spray guns with a 1.2mm nozzle.

This product can be used between 5 ° C and 35 ° C. The product has been tested in applications in extreme conditions both in humidity and temperature.

The application must take place during the first 30 minutes after mixing both components.

The recommended use of Air Dry Clear Coat UHS is for spot repair only.

It is recommended to close the cans of the clear and the hardener, after their use.

Colour: colourless

Hardener: Chamäleon hardener 289

Mixing ratio: Paint + hardener 2:1 by volume

Dilution: -

Spraying viscosity 4mm DIN

Gravity spraying gun 15-16 s

Application method

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

Spraying operations

DFT

Consumption

2

50 – 60 µm

7.5 – 8.5 m²/

Flash-off time

Between the coatings

Before forced drying

5 – 10 minutes

10 – 15 minutes

Drying

Object temperature 20 °C

Dust free 10 – 15 minutes

Set to touch 35 minutes

Ready for assembly 40 minutes

Object temperature 60 °C

Ready for assembly 10 minutes



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IR-Drying

shortwave 5 minutes

Features of dry film:

Theoretical yield (m ² /l)	7,5 - 8,5 (50-60 µm)
Gloss 60°-60°	100 %

Storage:

Keep under cover in a cool and well-ventilated place avoiding direct sunlight. Temperatures between 5 and 30°C recommended.

Shelf life: 2 years from manufacturing in date its original unopened container.

Data: 03, June 2019

This release replaces all eventually earlier issued versions.

For additional information not included in the Technical Data Sheet, please contact the supplier: e-mail: info@chamaeleon-produktion.de

*For safety information please download the SDS from our website:
www.chamaeleon-produktion.de*