



Technical Data Sheet

Automotive Art Clear HS 82-42 (2.1 VOC)



General Information:

Having a higher solid content than normal HS Clears it offers good resistance to weathering and yellowing, good surface hardness and easy to polish properties.

Substrates:

Apply on top of clean & dust free Automotive Art Basecoat.

Mixing Ratio:



2:1

100% by vol. Automotive Art Clear HS

50% by vol. Automotive Art LV Hardener

No reducer required

Part #

82-42

30-66, 30-76 or 30-86

Pot Life: 4 hours at 20° C (68F)

Additives:



20 - 45 Flex additive (Add 25% by vol. before adding hardener)

20 - 10 Accelerator (Add up to 10% to RTS mixture)

20 - 55 Matting Agent (Please refer to AART 20-55 TDS for gloss degree chart)

Air Pressure and Spray gun Setup:

	<u>Air Pressure</u>	<u>Nozzle Size</u>
HVLP:	21-29 psi (1.4-2.0 bar)	1.3-1.4 mm
Conventional:	35 psi (2.5 bar)	1.3-1.5 mm

Note: For best overall result, refer to spray gun manufacturer's recommendations.

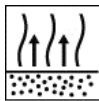
Application:



Apply: 2 full coats

Coat Thickness: 2 -2.3 mil (50-60 µm)

Drying Times:



Between Coats: 6 - 8 minutes at 20°C (68°F)



at 20°C (68°F)

<u>Tack-Free</u>	<u>Assembly</u>	<u>Polish</u>	<u>Recoat</u>
1 hour	4 hours	4 hours	12 hours

Selection Guide Charts:

Hardeners



Temperature Range

Description	Low VOC Part #	55°F-70°F (12°C-21°C)	70°F-85°F (21°C-30°C)	85°F-95°F (30°C-35°C)
High Temp/Slow	30-66			
Medium Temp/Normal	30-76			
Low Temp/ Fast	30-86			



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Surface Preparation:



- Apply over Automotive Art Basecoat, it may require to pass a light tack cloth over the surface to remove dirt and overspray.
- Please allow the basecoat to dry at least 15 - 20 min before applying clearcoat.

Sanding:

For recoating it can be sanded with P 600 - P 800
To Polish P 1200 – P 5000

Packing & Shelf Life:

Sizes: 5L
Shelf life: Under normal storage conditions minimum four years (unopened tins).

Notes:

- Do not overapply, solvent pop may occur.
- Humidity affects clear coat components, so the application equipment should be absolutely dry. Close the hardener container immediately after use.
- Do not use at temperatures lower than +50°F/10°C in this case, dry in spray booth.

Technical Data:

RTS Combinations:	82-42 : 30-66/76/86
Volume Ratio:	2:1
Specific Gravity:	1.11 kg/l
Flash Point:	16°C (62°F)
Solids Vol %:	37%
Solids Wt. %:	NA
Coverage:	8 -9 m ² /L (per layer 50 µm)
Viscosity (RTS):	
Gloss:	High Gloss
Color:	Clear
As packaged V.O.C. Regulatory (less water, less exempts):	298 g/l (2.5 lbs/gal)
As packaged V.O.C. Actual:	141 g/l (1.2 lbs/gal)
V.O.C. Regulatory RTS (less water, less exempts):	142 g/l (1.19 lbs/gal)
V.O.C. Actual RTS:	55 g/l (0.5 lbs/gal)
Applicable Use Category:	Clear Coating

See Material Safety Data Sheet and Labels for additional Safety Information and handling instructions.