



Technical Data Sheet

Automotive Art Top Clear 82-41 (2.1 VOC)



General Information:

It has a higher solid content than normal HS Clears, good resistance to weathering and yellowing, good surface hardness and polishing properties. It is crystal clear.

Substrates:

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

Mixing Ratio:



National Rule

2:1	Part #
100% by vol. Automotive Art Clear	82-41
50% by vol. Automotive Art Hardener	30-52, 30-62, 30-72 or 30-82
No reducer required	

Low VOC

2:1	Part #
100% by vol. Automotive Art Clear	82-56
50% by vol. Automotive Art Hardener	30-66, 30-76 or 30-86
No reducer required	

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 Spraygun Setup:

	Air Pressure	Nozzle Size
HVLP:	21-29 psi (1.4-2.0 bar)	1.3-1.4 mm
Conventional:	2.5 bar (35 psi)	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: 8 - 10 minutes at 20°C (68°F)



at 20°C (68°F)

Tack-Free	Assembly	Polish	Recoat
1 hour	5 hours	8 hours	12 hours

Selection Guide Charts:

Hardeners



Temperature Range

Description	Nat Rule Part #	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)	+95°F (+35°C)
Extreme-Temp/Extra Slow	30-52	N/A				
High Temp/Slow	30-62	30-66				
Medium Temp/Normal	30-72	30-76				



Technical Data Sheet

Automotive Art Top Clear 82-41 (2.1 VOC)



Low Temp/ Fast

30-82

30-86

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, 1L

Shelf life: Under normal storage conditions minimum two 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:	Nat Rule	LOW Voc
Volume Ratio:	2:1	2:1
Specific Gravity:	1.01 kg/l	1.01 kg/l
Flash Point:	21 °C , (70 °F)	21 °C , (70 °F)
Solids Vol %:	45%	45%
Solids Wt. %:	NA	NA
Coverage:	6-7 m ² /L (per layer 50 µm)	6-7 m ² /L (per layer 50 µm)
Viscosity (RTS):	17 sec. Cup DIN 4	17 sec. Cup DIN 4
Gloss:	High Gloss	High Gloss
Color:	Clear	Clear
V.O.C. Actual:		338 g/l, (2.8 lbs/gal)
V.O.C. Regulatory RTS (less water, less exempts):		482 g/l, (4.0 lbs/gal)
V.O.C. Ready for Use:		249 g/l, (2.1 lbs/gal)
Applicable Use Category:	Clear Coating	Clear Coating

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