



Technical Data Sheet

2K Clear (HS) 2:1

2K HS Acrylic Urethane Clearcoat

Date: 21st October 2016

Version:01

Product Name

Full Product Name	2K Clear (HS) 2:1
Type of Product	2K high solids acrylic urethane clearcoat
Description	Spray Chief 2K Clear (HS) 2:1 is a high performance 2K clearcoat designed specifically for basecoat systems. It is characterised by its superior flow, high gloss and exceptional chemical resistance and hardness.

Products

Product Name	Volume Solids	Weight Solids	Density		VOC	
	%	%	g/mL	lbs/US gal	g/L	lbs/US gal
2K Clear (HS) 2:1	53.5	59.6	1.002	8.36	405.9	3.39
2:1 HS Hardener	52.1	58.8	1.030	8.59	423.2	3.53
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36

Properties

- Excellent flow
- High gloss

Substrates

- Spray Chief range of basecoat systems, including: Candy Apple, Candy Pearl, Candy Apple – Rainbow Finish, Black Pearl, Fluro, Clear Pearl and Shim'r
- Spray Chief range of 2:1 systems, including: Candy Apple (2:1), Candy Apple (2:1) – Rainbow Finish, Black Pearl (2:1) and Fluro (2:1).



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






Substrate Preparation



All Substrates

All surfaces must be clean and free from any contamination prior to application.

Product Preparation

	Mixing Ratio 2:1 (by volume)	Spray Chief 2K Clear (HS) 2:1		Spray Chief 2:1 HS Hardener	
		2 parts		1 part	
	Reducer	Up to 5% (v/v) of Spray Chief 2K Thinner, if required			
	Pot life @ 25°C (77°F)	6-8 hours			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	18-19 s 16-17 s		
  	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
		Gravity feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		Suction feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		HVLP	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	Number of coats	2	Apply two even full coats. Avoid heavy wet coats.		
	DFT Recommended	50-60 µm 2.0-2.4 mils			
	Flash off time @ 25°C (77°F)	15-25 min between coats, or until touch dry			



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
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Product Preparation cont

	Drying	Air Dry @ 25°C (77°F)	12-16 hours
		Low Bake @ 50°C (122°F)	30-40 min

This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.

Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Equipment Cleaning

Use recommended Spray Chief cleaner

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Hardness	Excellent
Chemical resistance	Excellent



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Product Data

Colour	Water white
Theoretical Coverage	Approx. 8 m ² /L (325 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A16/HSCLR	8919000	2K Clear (HS) 2:1	1.5L (Kit), 6L (Kit)
A16/2:1HARD	8929200	2:1 HS Hardener	500mL, 1L
A16/2KTHIN	8949200	2K Thinner	1L, 4L, 20L

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations



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This Technical Data Sheet supersedes all previous issues.

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