



# Technical Data Sheet

## 2K Matt Clear (2:1)

2K Acrylic Urethane Clearcoat

Date: 21<sup>st</sup> October 2016

Version:01

### Product Name

Full Product Name	<b>2K Matt Clear (2:1)</b>
Type of Product	2K acrylic urethane clearcoat
Description	Spray Chief 2K Matt Clear (2:1) is a high performance 2K clearcoat, designed specifically to give a matt finish (10%), replicating the latest OEM designs. It is characterised by its superior flow, 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 Matt Clear (2:1)	50.1	57.3	1.069	8.92	547.5	4.57
2:1 MS Hardener	33.9	39.9	0.986	8.23	593.1	4.95
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36

### Properties

- Excellent flow
- Matt finish

### 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

	<b>Mixing Ratio</b> 2:1 (by volume)	<b>Spray Chief</b> 2K Matt Clear (2:1)		<b>Spray Chief</b> 2:1 MS Hardener	
		2 parts		1 part	
	<b>Reducer</b>	Up to 10% (v/v) of Spray Chief 2K Thinner, if required			
	<b>Pot life</b> @ 25°C (77°F)	2-3 hours			
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	18-19 s 16-17 s		
   	<b>Spray equipment</b>	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>	<b>Spray Distance</b>
		<b>Gravity feed</b>	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
		<b>Suction feed</b>	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
		<b>HVLP</b>	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
	<b>Number of coats</b>	2-3	Apply two to three even full coats. Avoid heavy wet coats.		
	<b>DFT</b> Recommended	50-60 µm 2.0-2.4 mils			
	<b>Flash off time</b> @ 25°C (77°F)	5-10 min between coats, or until touch dry			



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
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### Product Preparation cont

	<b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	16-24 hours
		<b>Low Bake</b> @ 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.

<b>Gloss @ 60°</b>	10-12 GU
<b>Hardness</b>	Excellent
<b>Chemical resistance</b>	Excellent



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### Product Data

<b>Colour</b>	Semi-transparent
<b>Theoretical Coverage</b>	Approx. 7 m <sup>2</sup> /L (285 ft <sup>2</sup> /US gal) @ recommended DFT
<b>Shelf Life</b>	36 months in an unopened container at room temperature away from sunlight.

### Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A16/2KMATTCLR	8889001	2K Matt Clear (2:1)	1.5L (Kit), 6L (Kit)
A16/2:1HARDMS	8899200	2:1 MS 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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