



# Technical Data Sheet

## 2K White (2:1) and 2K Black (2:1)

2K Acrylic Urethane Topcoat

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

Version:01

Product Name	
Full Product Name	<b>2K White (2:1) and 2K Black (2:1)</b>
Type of Product	2K acrylic urethane topcoat
Description	Spray Chief 2K White (2:1) and 2K Black (2:1) are high performance 2K topcoats characterised by their superior flow, high gloss and opacity as well as 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 White (2:1)	55.8	70.5	1.353	11.30	399.0	3.33
2K Black (2:1)	50.0	53.9	1.047	8.74	482.9	4.03
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
<ul style="list-style-type: none"> <li>• Excellent flow</li> </ul>
<ul style="list-style-type: none"> <li>• High opacity</li> </ul>
<ul style="list-style-type: none"> <li>• High gloss</li> </ul>

Substrates
<ul style="list-style-type: none"> <li>• Spray Chief Epoxy Primer (4:1) Black, White or Grey</li> </ul>
<ul style="list-style-type: none"> <li>• Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels</li> </ul>



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### Substrate Preparation



**All Substrates**

All surfaces must be thoroughly sanded and cleaned with a suitable Wax & Grease Remover prior to application.

### Product Preparation

	<b>Mixing Ratio</b> 2:1 (by volume)	<b>Spray Chief</b> 2K White (2:1) or 2K Black (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>	16-17 s 14-15 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 Recommended</b>	40-50 µm 1.6-2.0 mils			



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## Product Preparation cont

	<b>Flash off time</b> @ 25°C (77°F)	5-10 min between coats	
	<b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	16-24 hours
		<b>Low Bake</b> @ 50°C (122°F)	60 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>Hardness</b>	Excellent
<b>Chemical resistance</b>	Excellent



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### Product Data

<b>Colour</b>	White, Black
<b>Theoretical Coverage</b>	Approx. 9 m <sup>2</sup> /L (365 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/WHT2:1	8876000	2K White (2:1)	1.5L (Kit), 6L (Kit)
A16/BLK2:1	8877000	2K Black (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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