

# Technical Data Sheet

Product Name	
Full Product Name	<b>HS 2K White (Hi-Opacity)</b>
Type of Product	2K acrylic urethane topcoat
Description	Concept HS 2K White (Hi-Opacity) is a high performance 2K white topcoat. It is characterized by its high opacity, excellent flow, producing a high gloss as well as excellent chemical resistance and durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
HS 2K White (Hi-Opacity)	50.0	53.9	1.047	8.74	482.9	4.03
MS Uni Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
MS Uni Hardener Normal	33.3	39.9	0.986	8.23	593.1	4.95
MS Uni Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
MS Uni Hardener Super Fast	31.5	38.9	0.938	7.83	572.7	4.78
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> <li>High opacity and performance</li> </ul>
<ul style="list-style-type: none"> <li>Fast drying</li> </ul>
<ul style="list-style-type: none"> <li>Excellent through cure</li> </ul>
<ul style="list-style-type: none"> <li>Excellent levelling and flow</li> </ul>
<ul style="list-style-type: none"> <li>High gloss</li> </ul>

## Substrates

- Concept HS 2K Primer
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.

## Substrate Preparation






### All Substrates

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



## Product Preparation

	<b>Mixing Ratio</b> 2:1 (by volume)	<b>Concept HS 2K White (Hi-Opacity)</b>		<b>Concept MS Uni Hardener</b>	
		2 parts		1 part	
	<b>Reducer</b>	Up to 10% (v/v) of Concept 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 one coat followed by one or two even full coats. Avoid heavy wet coats.		

## Product Preparation cont

	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils	
	<b>Flash off time @ 25°C (77°F)</b>	5-10 min between coats	
	<b>Drying</b>	<b>Air Dry @ 25°C (77°F)</b>	16-24 hours
		<b>Low Bake @ 50°C (122°F)</b>	30-40 min
<p>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.</p>			

## 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 Concept Paints 035 Gunwash
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## Dry Film Properties

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

<b>Gloss</b>	Excellent
<b>Chemical resistance</b>	Excellent
<b>Durability</b>	Excellent

Product Data	
Colour	White
Theoretical Coverage	Approx. 9.0 m <sup>2</sup> /L (365 ft <sup>2</sup> /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

Product Packaging		
Product Code	Product Name	Package Size
AU4106000000X	HS 2K White (Hi-Opacity)	1L, 4L, 20L
AU2139100000X	MS Uni Hardener Slow	500 mL, 1L
AU2139200000X	MS Uni Hardener Normal	500 mL, 1L
AU2139300000X	MS Uni Hardener Fast	500 mL, 1L
AU2139400000X	MS Uni Hardener Super Fast	500 mL, 1L
AU8319100000X	2K Thinner Slow	4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	2K Thinner Fast	4L, 20L

Safety
<p>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.</p> <p>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.</p>

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This Technical Data Sheet supersedes all previous issues.

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