

# Technical Data Sheet

Product Name	
Full Product Name	<b>2K Satin Clear</b>
Type of Product	2K low gloss acrylic urethane clear coat
Description	Concept 2K Satin Clear is a high performance 2K clear coat, designed specifically to achieve a low gloss finish. It is characterized by excellent flow, high chemical resistance and hardness, with an even satin finish.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Satin Clear	50.1	57.3	1.038	8.67	444.2	3.71
Universal (MS) Slow Hardener	35.4	40.9	1.004	8.38	593.8	4.96
Universal (MS) Normal Hardener	33.3	39.9	0.986	8.23	593.1	4.95
Universal (MS) Fast Hardener	33.6	40.2	0.968	8.08	578.3	4.83
Universal (MS) Super Fast Hardener	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 performance</li> </ul>
<ul style="list-style-type: none"> <li>• Fast drying</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent through cure and hardness</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent levelling and flow</li> </ul>

## Substrates

- Concept No Mix system colours
- Concept Unicolour 900 2K Basecoat system colours
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

## Substrate Preparation















All Substrates

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



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## Product Preparation

	<b>Mixing Ratio</b> 2:1 (by volume)	<b>Concept 2K Satin Clear</b>		<b>Concept Universal (MS) 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>	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 one light coat followed by one or two even full coats. Avoid heavy wet coats.		
	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils			
	<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)	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.

# Technical Data Sheet

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.
<b>NOTE:</b>	Always ensure adequate and thorough flash off of the basecoat before application of this clear coat (otherwise damage to the appearance may occur).

Equipment Cleaning	
Use recommended Concept Paints cleaner	

Dry Film Properties	
After 7 days drying, <b><u>when compared to similar technology products.</u></b>	
Gloss	Satin
Hardness	Excellent
Chemical resistance	Excellent
Durability	Excellent

Product Data	
Colour	Water white, hazy
Theoretical Coverage	Approx. 8.0 m <sup>2</sup> /L (325 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 1	Product Code 2	Product Name	Package Size
A07C/2KSATINCLR	3609002	2K Satin Clear	1L, 4L
A04C/UNIMSS	2139100	Universal (MS) Slow Hardener	500 mL, 1L
A04C/UNIMSN	2139200	Universal (MS) Normal Hardener	500 mL, 1L
A04C/UNIMSF	2139300	Universal (MS) Fast Hardener	500 ml, 1L
A04C/UNIMSSF	2139400	Universal (MS) Super Fast Hardener	500 mL, 1L
A08C/2KTHS	8319100	2K Thinner Slow	1L, 4L, 20L
A08C/2KTHIN	8319200	2K Thinner	1L, 4L, 20L
A08C/2KTHF	8319300	2K Thinner Fast	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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