

Date: 21st October 2016

Technical Data Sheet

Version: 01

Product Name	
Full Product Name	MS 2000 2K Clear
Type of Product	2K fast drying acrylic urethane topcoat
Description	Concept MS 2000 2K Clear is a 2K clearcoat with a faster cure time, that has been designed for use in basecoat systems. Its superior flow produces a high gloss finish, with excellent chemical resistance and 2K hardness.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
MS 2000 2K Clear						
Universal (MS) Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
Universal (MS) Hardener Normal	33.9	39.9	0.986	8.23	593.1	4.95
Universal (MS) Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
Universal (MS) 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"> Fast drying.
<ul style="list-style-type: none"> Excellent flow.
<ul style="list-style-type: none"> High gloss.

Substrates

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

Substrate Preparation



All Substrates









Ensure that all surfaces are clean and free from any contamination, prior to application.

Product Preparation



	Mixing Ratio 2:1 (by volume)			Concept MS 2000 2K Clear	Concept Universal (MS) Hardener
				2 parts	1 part
	Reducer	15- 20% (v/v) Concept 2K Thinner.			
	Pot life @ 25°C (77°F)	2-3 hours.			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	18-19 s. 16-17 s.		

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Product Preparation cont.

    Spray equipment	Gun Type	Fluid Tip	Spray Pressure	Spray Distance
	Gravity Feed	1.2-1.4 mm 0.047-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction Feed	1.5-2.0 mm 0.059-0.079"	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
	Airless, Air Assisted, Electrostatic	Consult the manufacturer's instructions.		
 Number of coats	2-3.	Apply one light coat followed by one or two even full coats. Avoid heavy wet coats.		
 DFT Recommended	40-50 µm. 1.6-2.0 mils.			
 Flash off time @ 25°C (77°F)	5-10 min between coats.			
 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 the dew point.

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Equipment Cleaning

Use recommended Concept Paints cleaner such as Concept Gunwash or Multi-Thinner.

Dry Film Properties

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

Durability

Excellent.

Product Data

Theoretical Coverage

Approx. 6.0 m²/L (245 ft²/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/MS2000		MS 2000 2K Clear	4L
A04C/4:1	2539200	4:1 Hardener	250 mL, 1L
A04C/4:1F	2539300	4:1 Hardener Fast	250 mL, 1L
A04C/4:1S	2539100	4:1 Hardener Slow	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.

Concept Paints
26-30 Charles Street
St Marys NSW 2760
Sydney, Australia

ph. +61 (2) 9673 2555
fax. +61 (2) 9623 1918
info@conceptpaints.com.au
www.conceptpaints.com.au