

Date: 21<sup>st</sup> May 2021

# Technical Data Sheet

Version:02

Product Name	
Full Product Name	<b>MS-22 2K Clear</b>
Type of Product	2K Acrylic Urethane Clear Coat
Description	Concept MS-22 2K Clear is a high performance 2K clear designed specifically as a clear coat for basecoat systems. It has superior flow, producing a very high gloss finish, with exceptional chemical resistance, durability and hardness.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
MS-22 2K Clear	38.0	43.7	0.990	8.26	507.4	4.23
MS-22 Hardener Slow	43.0	49.3	1.013	8.45	512.8	4.28
MS-22 Hardener	42.8	49.3	1.007	8.41	509.9	4.26
MS-22 Hardener Fast	41.9	48.4	1.005	8.39	517.7	4.32
MS-22 Hardener Extra Fast	41.0	47.5	1.002	8.36	525.2	4.38
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
• Fast drying
• Excellent through cure
• Excellent levelling and flow
• Excellent chemical resistance and durability

## Substrates

- Concept No Mix Basecoat System colours
- Concept Unicolour 900 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 MS-22 2K Clear</b>	<b>Concept MS-22 Hardener</b>		
			2 parts	1 part		
	<b>Reducer</b>	Up to 5% (v/v) of Concept 2K Thinner, if required.				
	<b>Pot life</b> @ 25°C (77°F)	6-8 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	Apply 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)	12-16 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.

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## 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

## Dry Film Properties

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

Gloss

High

Flexibility

Excellent

Durability

Excellent

Chemical Resistance and  
Hardness

Excellent

## Product Data

Colour

Water white

Theoretical Coverage

Approx. 7.0 m<sup>2</sup>/L (285 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
AU7229000000X	MS-22 2K Clear	1L, 5L, 15L(Kit)
AU7229100000X	MS-22 Hardener Slow	500mL, 2.5L
AU7229200000X	MS-22 Hardener	500mL, 2.5L
AU7229300000X	MS-22 Hardener Fast	500mL, 2.5L
AU72294002.50	MS-22 Hardener Extra Fast	2.5L
AU8319100000X	2K Thinner Slow	1L, 4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	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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