

Date: 24<sup>th</sup> February 2022

Version:03

# Technical Data Sheet

Product Name	
Full Product Name	<b>2K Matt Clear</b>
Type of Product	2K Matt Acrylic Urethane Clearcoat
Description	Concept 2K Matt Clear is a high performance 2K clear coat, designed specifically to achieve a matt finish (10-15% gloss level), replicating the latest OEM matt offering. It is characterized by excellent flow, high chemical resistance and hardness properties.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Matt Clear	38.8	48.8	1.069	8.92	547.5	4.57
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
• High performance
• Fast drying
• Excellent through cure
• Excellent levelling and flow
• Even matt gloss effect

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## 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 cleaned with Concept Wax & Grease Remover and free from any contamination prior to application.

## Product Preparation




		Concept 2K Matt Clear	Concept MS Uni Hardener	Concept MS-22 Hardener
<b>Mixing Ratio</b> 2:1 (by volume)	<b>Large areas</b>	2 parts	-	1 part
	<b>Small areas</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>	18-19 s		
	<b>Ford 4 Cup</b>	16-17 s		

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
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## Product Preparation cont

Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
  	Gravity feed	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
	Suction feed	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
	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
	Number of coats	2	Apply 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)	16-24 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 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).

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## Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

## Dry Film Properties

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

Gloss@ 60°	10-15%
Hardness	Excellent
Chemical resistance	Excellent
Durability	Excellent

## Product Data

Colour	Hazy
Theoretical Coverage	Approx. 8.0 m <sup>2</sup> /L (325 ft <sup>2</sup> /US gal) @ recommended DF
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

## Product Packaging

Product Code	Product Name	Package Size
AU7239001000X	2K Matt Clear	1L, 4L
AU2139100000X	Universal (MS) Slow Hardener	500 mL, 1L
AU2139200000X	Universal (MS) Normal Hardener	500 mL, 1L
AU2139300000X	Universal (MS) Fast Hardener	500 mL, 1L
AU2139400000X	Universal (MS) Super Fast Hardener	500 mL, 1L
AU8319100000X	2K Thinner Slow	1L, 4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	2K Thinner Fast	1L, 4L, 20L

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## 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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