

Technical Data Sheet

Product Name	
Full Product Name	COB Binder
Type of Product	COB binder
Description	Concept COB Binder (clear over base binder) has been designed for use with Concept Unicolour 900 2K Basecoat system for “blend in” of refinished areas into the existing colour. When added to a Unicolour 900 2K Basecoat colour at the time of blending, it will assist in the reduction of the overall cost of colour matching, whilst providing all the normal characteristics of the current Unicolour 900 2K Basecoat system.

Products						
Product Name	Volume Solids	Weight Solids	Density		VOC	
	%	%	g/mL	lbs/US gal	g/L	lbs/US gal
COB Binder	48.2	54.0	0.954	7.96	722.1	6.03
Basecoat Reducer	0.0	0.0	0.879	7.33	878.9	7.33
Slow Basecoat Reducer	0.0	0.0	0.893	7.45	892.7	7.45
Unicolour 900 2K Basecoat Colour	Depending on the colour					

Properties
<ul style="list-style-type: none"> • Excellent coverage
<ul style="list-style-type: none"> • Good flow
<ul style="list-style-type: none"> • Fast drying

Substrates
<ul style="list-style-type: none"> • Concept HS 2K Primer
<ul style="list-style-type: none"> • Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.

Substrate Preparation



All Substrates



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

Product Preparation

	Mixing Ratio (by volume)	Concept Unicolour 900 2K Basecoat Colour		Concept COB Binder	
		1 part		30%	
	Reducer	50-80% reduction with Concept Basecoat Reducer To activate, add 5% by volume of Concept MS Uni Hardener, if required.			
	Pot life @ 25°C (77°F)	N/A			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup	17-18 s		
		Ford 4 Cup	15-16 s		
	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	2-4	Apply one coat followed by one to three even full coats. Avoid dry spray and heavy wet coats.		
	DFT Recommended	20-25 µm 0.8-1.0 mil			
	Flash off time @ 25°C (77°F)	5-10 min between coats			
	Drying	Air Dry @ 25°C (77°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, <u>when compared to similar technology products.</u>
Gloss	Excellent
Adhesion	Excellent
Metal Protection	Excellent

Product Data	
Colour	Semi Transparent
Theoretical Coverage	Approx. 6.0 m ² /L (245 ft ² /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
AU49590000004	COB Binder	4L
AU8039200000X	Basecoat Reducer	1L, 4L, 20L
AU80391000004	Slow Basecoat Reducer	4L

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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