

Date: 14 April 2023

# Technical Data Sheet

Version:03

Product Name	
Full Product Name	Unicolour 900 Basecoat
Type of Product	2K Basecoat
Description	Concept Unicolour 900 Basecoat is a high performance 2K Clear Over Base (C.O.B). It incorporates an extensive range of colour formulations, and is characterised by its high opacity and excellent flow.

Tinters						
Code & Name of Tinter	Volume Solids %	Weight Solids %	Density g/mL lbs/US gal		VOC g/L lbs/US gal	
901 Black	29.1	36.4	1.018	8.50	647.4	5.40
902 Blue	27.2	34.0	0.987	8.23	651.2	5.43
903 Bright Blue	17.4	23.8	0.968	8.08	737.9	6.16
904 Bright Gold	31.5	39.3	1.024	8.54	621.6	5.19
905 Bright Red	21.4	28.4	0.983	8.20	703.6	5.87
907Copper	20.4	29.9	1.008	8.41	706.4	5.90
910 Deep Black	26.0	31.0	1.033	8.62	712.3	5.94
911 Cobalt Blue	27.3	33.5	1.013	8.46	674.4	5.63
912 Maroon	24.3	31.0	0.990	8.26	682.5	5.70
913 Deep Maroon	25.8	32.6	0.995	8.31	671.2	5.60
914 Garnet	27.5	34.3	0.999	8.34	656.2	5.48
915 Green	28.8	36.3	1.043	8.71	664.5	5.55
916 Green Blue	29.8	36.7	1.003	8.37	635.4	5.30
917 Green Gold	28.7	34.5	1.041	8.69	681.4	5.69
918 Grey Black	22.5	30.1	0.992	8.28	693.5	5.79
920 Light Red Oxide	20.7	31.2	1.030	8.59	708.1	5.91
921 Lime	24.9	33.2	1.042	8.70	696.3	5.81
922 Magenta	25.4	32.3	0.992	8.28	671.5	5.60
923 Midnight Blue	29.1	36.9	1.012	8.45	638.3	5.33
924 Red Gold	21.2	30.6	1.009	8.42	700.2	5.84
925 Red Maroon	27.7	33.4	1.022	8.53	680.2	5.68
930 Violet	18.3	24.6	0.971	8.10	731.9	6.11
931 White	28.6	45.4	1.173	9.79	640.5	5.35

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Code & Name of Tinter	Volume Solids %	Weight Solids %	Density g/mL lbs/US gal		VOC g/L	
932 Yellow Gold	22.4	34.0	1.043	8.70	687.7	5.74
933 Yellow Ochre	22.7	34.3	1.052	8.78	690.9	5.77
934 Special Violet	24.4	30.1	1.008	8.41	704.2	5.88
935 Port Wine	27.2	32.6	1.015	8.47	684.4	5.71
936 Deep Blue	26.5	32.8	1.006	8.39	675.7	5.64
937 Special Deep Black	17.4	23.0	0.975	8.14	751.9	6.27
938 Special Red Maroon	25.3	31.4	1.005	8.39	689.1	5.75
939 HS Special Red	25.9	33.3	1.003	8.37	669.4	5.59
940 Royal Blue	26.3	32.7	0.988		664.9	
941 Reduced Black	18.0	24.5	0.967	8.07	730.8	6.10
942 Silk Silver	19.1	30.5	1.035	8.64	719.4	6.00
943 Silk Russet	18.9	30.5	1.038	8.66	721.4	6.02
944 Silk Gold	19.0	30.2	1.031	8.60	719.9	6.01
945 Silk Blue	18.1	29.2	1.028	8.58	727.3	6.07
946 Silk Red	19.1	30.4	1.033	8.62	719.3	6.00
947 Silk Green	19.2	30.6	1.035	8.63	718.3	5.99
948 Silk Copper	18.7	29.8	1.030	8.60	723.1	6.03
951 Red Yellow	26.2	33.2	1.005	8.38	671.1	5.60
952 Topaz	25.5	33.7	1.008	8.41	668.4	5.58
953 Organic Orange	22.8	31.3	0.996	8.31	684.6	5.71
959 Metallic Additive	18.4	24.3	0.954	7.96	722.1	6.03
960 Stabilizer Additive	18.4	24.3	0.954	7.96	722.1	6.03
961 Effect White	27.5	38.4	1.091	9.10	671.8	5.61
962 HS White	31.0	52.0	1.286	10.74	616.9	5.15
963 HS Special Yellow	28.0	45.2	1.186	9.89	649.6	5.42
965 Fine Metallic	16.0	23.9	0.977	8.16	743.7	6.21
968 Extra Fine Silver	16.2	23.6	0.974	8.13	745.1	6.22
969 Fine Silver	15.9	23.9	0.977	8.16	744.0	6.21
970 Silver	16.1	23.5	0.972	8.11	743.9	6.21
971 Medium Silver	16.1	24.3	0.981	8.19	743.8	6.21
972 Coarse Silver	16.0	23.8	0.977	8.16	742.8	6.20
974 Coarse Aluminium	16.1	23.6	0.974	8.13	744.7	6.21
975 Extra Coarse Aluminium	16.4	24.5	0.979	8.17	743.8	6.21
977 Fine White Pearl	20.2	32.3	1.049	8.75	739.2	6.17
978 White Sparkle Pearl	20.1	31.7	1.040	8.68	709.4	5.92
980 Yellow Pearl	20.6	33.1	1.055	8.80	710.1	5.93
982 Fine Yellow Gold Pearl	19.1	30.3	1.024	8.54	706.0	5.89
983 Orange Pearl	18.0	26.7	0.990	8.26	713.6	5.96

# Technical Data Sheet

## Tinters

Code & Name of Tinter	Volume Solids %	Weight Solids %	Density g/mL lbs/US gal		VOC g/L	
986 Copper Pearl	20.2	32.3	1.048	8.74	709.6	5.92
987 Bright Russet Pearl	20.2	32.8	1.056	8.81	709.3	5.92
988 Fine Russet Pearl	20.1	32.8	1.057	8.82	710.2	5.93
989 Blue Russet Pearl	20.1	32.2	1.048	8.75	710.7	5.93
990 Red Blue Pearl	19.8	32.0	1.049	8.76	713.4	5.95
991 Fine Blue Pearl	19.9	32.0	1.047	8.74	712.0	5.94
992 Green Blue Pearl	19.7	30.9	1.033	8.62	714.4	5.96
993 Fine Green Pearl	20.0	31.9	1.045	8.72	711.5	5.94
994 Green Pearl	19.5	30.2	1.026	8.56	715.9	5.97
995 Blue Green Pearl	20.2	32.4	1.049	8.75	709.3	5.92
996 Red Pearl	20.3	32.2	1.046	8.73	708.9	5.92
997 Fine Silver Pearl	19.7	31.1	1.035	8.64	713.7	5.96
998 Fine Violet Pearl	20.8	33.8	1.064	8.88	704.2	5.88
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

## Properties

• Superior pigment distribution, eliminating mottling
• High opacity
• Improved colour depth, providing better coverage
• Consistency in Tinter/Toner strength, assisting with colour matching
• Greater flow characteristics resulting in ease of application
• Incorporating an extensive range of colour formulations









## Substrates

• Concept HS 2K Primer
• Sound existing surfaces, except for unstable surfaces, e.g. nitrocellulose or enamels.



## Substrate Preparation

	<b>All substrates</b>	<ul style="list-style-type: none"> <li>• All surfaces must be thoroughly sanded and cleaned with Concept Wax &amp; Grease Remover prior to application.</li> <li>• Use white or light-coloured primers under bright yellows, oranges and reds, if required.</li> </ul>
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
## Product Preparation

 		<ul style="list-style-type: none"><li>• Weigh the tinters into the required base in accordance with the relevant colour formula.</li><li>• Stir or shake for 10 minutes minimum.</li><li>• Never leave the mixture stand for more than 30 minutes before mixing.</li><li>• Check the colour match before application</li></ul>			
	<b>Reducer</b>	80% - 100%(v/v) of Concept Basecoat Reducer			
  To activate, Concept MS Uni Hardener can be added to the Unicolour 900 colour before thinning, if required.	<b>Mixing Ratio (by volume)</b>	<b>Concept Unicolour 900 Basecoat</b>		<b>Concept MS Uni Hardener</b>	
		100%		5%	
	<b>Pot life @ 25°C (77°F)</b>	N/A			
	<b>Spray viscosity @ 25°C (77°F)</b>	<b>BSB 4 Cup Ford 4 Cup</b>	17-18 s 15-16 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>	1.2-1.4 mm 0.047-0.055"	180-210 kPa 1.8-2.0 bar 30-35 psi	15-20 cm 6-8 inch
		<b>Suction feed</b>	1.2-1.4 mm 0.047-0.055	180-210 kPa 1.8-2.0 bar 30-35 psi	15-20 cm 6-8 inch
	<b>Number of coats / DFT</b>	2-3 coats	20-25 µm 0.8-1.0 mil		

## Product Preparation

	<b>Flash off time</b> @ 25°C (77°F)	5-10 min between coats	
	<b>Drying</b>	<b>Air Dry</b>	30-40 min @ 25°C (77°F)
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.		
	Before application a colour comparison is recommended		
	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 using Concept 2K Clear,  
**when compared to similar technology products.**

<b>Opacity</b>	High
<b>Flow</b>	Excellent

## Product Data

<b>Theoretical Coverage</b>	Approx. 8 m <sup>2</sup> /L (325 ft <sup>2</sup> / US gal) at 50 µm (2.0 mils) DFT
<b>Shelf Life</b>	36 months in an unopened container at room temperature away from sunlight.

# Technical Data Sheet

## Product Packaging

Product Code	Product Name	Package Size
AU59009XXXXXX	Unicolour 900 Series Tinters	1L, 4L
AU80391000004	Slow Basecoat Reducer	4L
AU8039200000X	Basecoat Reducer	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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