

Date: 14 April 2023

Technical Data Sheet

Version: 04

Product Name	
Full Product Name	No Mix E Basecoat
Type of Product	Economical solvent borne clear over base (COB) basecoat.
Description	Concept No Mix E Basecoat is a cost-effective clear-over-base (C.O.B) tinting system that eliminates the need for mixing or stirring tints before colour formulation. It delivers superior colour strength and depth, along with excellent flow characteristics and outstanding colour-matching capability.

Tinters				
Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
E-01 Black	0.990	27.8	21.3	715.4
E-02 Blue	0.977	26.3	20.3	720.4
E-03 Bright Blue	0.967	21.1	15.4	762.5
E-04 Bright Gold	0.993	28.2	21.7	712.3
E-05 Bright Red	0.974	23.3	17.4	746.9
E-07 Copper	1.006	27.2	18.9	732.6
E-08 Vivid Magenta	0.980	24.5	18.8	740.1
E-09 Raven Black	0.950	22.5	17.6	736.2
E-10 Deep Black	0.999	25.8	20.4	741.2
E-11 Cobalt Blue	0.990	26.1	20.4	731.4
E-12 Maroon	0.980	24.9	18.9	736.5
E-13 Deep Maroon	0.984	26.0	19.9	727.9
E-14 Garnet	0.984	26.5	20.6	722.9
E-15 Green	1.004	27.7	21.1	726.1
E-16 Green Blue	0.985	26.8	21.0	720.8
E-17 Green Gold	1.005	28.3	22.3	721.1
E-18 Grey Black	0.979	24.0	17.7	744.3
E-19 Empress Black	0.929	12.9	9.3	810.3
E-20 Light Red Oxide	1.000	26.2	17.8	737.6
E-21 Lime	1.009	26.7	19.7	739.2

Date: 14 April 2023

Technical Data Sheet

Version: 04

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Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
E-22 Magenta	0.979	24.4	18.7	740.0
E-23 Midnight Blue	0.991	28.3	21.6	711.1
E-24 Red Gold	0.992	24.4	17.2	749.8
E-25 Red Maroon	0.993	25.9	20.4	736.6
E-26 Vivid Orange	0.989	32.8	26.4	664.5
E-27 Ruby	0.946	25.3	18.9	707.4
E-29 Midnight Black	0.935	13.0	9.5	805.0
E-30 Violet	0.968	21.3	15.7	761.4
E-31 White	1.057	31.5	20.0	723.7
E-32 Yellow Gold	1.008	26.4	17.9	741.5
E-33 Yellow Ochre	1.009	26.3	17.7	743.9
E-34 Special Violet	0.987	25.4	19.6	736.3
E-35 Port Wine Red	0.997	26.6	21.5	731.2
E-36 Deep Blue	0.988	27.2	21.2	719.6
E-37 Special Deep Black	0.971	21.9	16.3	758.9
E-38 Special Red Maroon	0.985	23.6	18.3	753.4
E-39 HS Special Red	0.985	24.9	18.9	739.4
E-40 Royal Blue	0.976	26.0	20.4	722.2
E-41 Reduced Black	0.966	21.6	15.8	757.7
E-42 Silk Silver	0.998	24.3	15.7	754.8
E-43 Silk Russet	0.994	23.2	14.8	763.8
E-44 Silk Gold	0.991	23.5	15.3	757.9
E-45 Silk Blue	0.988	22.5	14.7	765.5
E-46 Silk Red	0.990	22.7	14.7	765.5
E-47 Silk Green	1.002	23.9	15.1	761.9
E-48 Silk Copper	0.991	23.6	15.4	757.1
E-51 Red Yellow	0.985	26.1	20.0	727.5
E-52 Topaz	0.991	26.7	19.9	726.3
E-53 Organic Orange	0.981	25.1	18.3	734.1
E-54 Special Silver Bright Fine	0.987	33.0	26.2	660.8
E-55 Special Silver Coarse	0.992	33.8	26.8	656.1
E-56 Silver Dollar Bright Course	0.993	33.8	26.7	657.8
E-57 Silver Dollar Bright Fine	0.994	33.8	26.6	658.1
E-59 Metallic Additive	0.957	19.8	14.3	766.9
E-60 Stabilizer Additive	0.957	19.8	14.3	766.9
E-61 Effect White	1.027	27.7	19.5	742.0

Date: 14 April 2023

Technical Data Sheet

Version: 04

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Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
E-62 HS Special White	1.109	36.4	22.4	705.2
E-63 HS Special Yellow	1.069	32.0	20.0	726.4
E-65 Fine Metallic	0.971	22.2	15.4	755.7
E-68 Extra Fine Silver	0.969	21.9	15.4	757.2
E-69 Fine Silver	0.971	22.4	15.6	753.3
E-70 Silver	0.968	21.9	15.4	756.2
E-71 Medium Silver	0.973	22.8	15.8	751.4
E-72 Coarse Silver	0.971	22.3	15.6	754.4
E-74 Coarse Aluminium	0.969	21.5	15.1	760.3
E-75 Extra Coarse Aluminium	0.974	22.4	15.5	755.9
E-77 Fine White Pearl	1.001	25.1	16.2	749.6
E-78 White Sparkle Pearl	0.993	24.0	15.7	754.6
E-80 Yellow Pearl	1.002	25.4	16.4	747.8
E-82 Fine Yellow Gold Pearl	0.991	25.0	16.4	743.5
E-83 Orange Pearl	0.973	22.3	15.4	755.6
E-86 Copper Pearl	1.000	24.9	16.2	750.3
E-87 Bright Russet Pearl	1.013	26.6	16.9	743.9
E-88 Fine Russet Pearl	1.006	25.5	16.3	749.2
E-89 Blue Russet Pearl	0.997	23.7	15.2	761.0
E-90 Red Blue Pearl	0.999	25.3	16.4	746.5
E-91 Fine Blue Pearl	1.006	25.2	16.0	752.7
E-92 Green Blue Pearl	0.995	24.7	16.2	749.9
E-93 Fine Green Pearl	1.008	25.8	16.4	747.8
E-95 Blue Green Pearl	1.000	24.9	16.1	751.4
E-96 Red Pearl	1.001	25.2	16.3	748.8
E-97 Fine Silver Pearl	0.990	23.9	15.8	753.2
E-98 Fine Violet Pearl	1.010	25.9	16.3	749.1
E-99 Metallic Raiser	1.013	27.1	17.9	739.2
E-101 Red Candy	0.940	17.9	12.7	772.0
E-102 Brandy Wine Candy	0.947	18.8	13.4	769.0
E-103 Yellow Candy	0.953	20.7	14.9	755.9
E-104 Green Candy	0.948	19.2	13.8	765.7

Date: 14 April 2023

Technical Data Sheet

Version: 04

Properties

- Superior pigment distribution, eliminating mottling
- 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 Paints Primers and primer surfacers e.g. HS 2K Primer
- Sound existing surfaces, except for unstable surfaces, e.g. nitrocellulose or enamels.

Substrate Preparation



All Substrates

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

Date: 14 April 2023

Technical Data Sheet

Version: 04

Product Preparation

	Reducer	Used at 2:1 mixing ratio for high opacity or reduced up to 100% (1:1) (v/v) with Concept NM Reducer For E-29 Midnight Black only reduce 50% (v/v) with Concept NM Reducer			
	Pot life @ 25°C (77°F)	N/A			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	16-17 s 14-15 s		
  	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	1.3-1.4 mm 0.051-0.055"	190-200 kPa 1.9-2.0 bar 27.5-29 psi	15-20 cm 6-8 inch	
	Suction feed	1.3-1.4 mm 0.051-0.055"	190-200 kPa 1.9-2.0 bar 27.5-29 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 / DFT	2-3 coats	20-25 µm 0.8-1.0 mil		
	Flash off time @ 25°C (77°F)	5-10 min between coats			
	Drying	Air Dry	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.					

Date: 14 April 2023

Technical Data Sheet

Version: 04

Remarks

	5 – 10% v/v of Concept E-99 Metallic Raiser may be added for a brighter, cleaner and a more brilliant face and flip, if required
	Shake all Tinters/Toners 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

Product Data

Theoretical Coverage	Approx. 5-7m ² /L @ 25 µm DFT when reduced
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

48 x Concept No Mix E Solid and Reduced Tinters	250mL, 1L
7 x Concept No Mix E Xirallic Tinters	250mL
14 x Concept No Mix E Metallic Tinters	1L
17 x Concept No Mix E Pearl Tinters	1L
4 x Concept No Mix E Candy Tinters	250mL
Concept NM Reducer	1L, 4L, 20L

Date: 14 April 2023

Technical Data Sheet

Version: 04

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
office@conceptpaints.com.au
www.conceptpaints.com.au