

Date: 14 April 2023

Technical Data Sheet

Version: 05

Product Name				
Full Product Name	No Mix Basecoat			
Type of Product	Solvent borne clear over base (COB) basecoat			
Description	Concept NO MIX Basecoat is a Clear Over Base (C.O.B) tinting system that requires no mixing machine. It delivers outstanding colour strength and depth, excellent flow characteristics, and superior colour matching accuracy.			
Tinters				
Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
NM-01 Black	1.018	36.4	29.1	647.3
NM-02 Blue	0.987	34.0	27.2	651.1
NM-03 Bright Blue	0.968	23.7	17.4	737.9
NM-04 Bright Gold	1.024	39.3	31.5	621.5
NM-05 Bright Red	0.983	28.4	21.5	703.4
NM-07 Copper	1.008	29.9	20.4	706.3
NM-08 Vivid Magenta	0.993	32.3	25.5	671.4
NM-09 Raven Black	0.926	15.9	12.2	779.0
NM-10 Deep Black	1.033	31.0	26.0	712.3
NM-11 Cobalt Blue	1.013	33.5	27.3	674.3
NM-12 Maroon	0.990	31.0	24.3	682.5
NM-13 Deep Maroon	0.995	32.6	25.8	671.1
NM-14 Garnet	0.999	34.3	27.5	656.2
NM-15 Green	1.044	36.3	28.8	664.4
NM-16 Green Blue	1.003	36.7	29.8	635.3
NM-17 Green Gold	1.041	34.5	28.7	681.4
NM-18 Grey Black	0.992	30.1	22.5	693.6
NM-19 Empress Black	0.912	16.5	11.0	763.8
NM-20 Light Red Oxide	1.030	31.2	20.7	708.0
NM-21 Lime	1.042	33.2	24.9	696.2

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Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
NM-22 Magenta	0.992	32.2	25.4	671.3
NM-23 Midnight Blue	1.012	37.0	29.1	638.2
NM-24 Red Gold	1.009	30.6	21.3	700.1
NM-25 Red Maroon	1.022	33.4	27.7	680.2
NM-26 Vivid Orange	0.999	35.2	28.5	647.9
NM-27 Ruby	0.920	21.1	14.5	726.1
NM-29 Midnight Black	1.030	38.0	32.9	641.5
NM-30 Violet	0.971	24.6	18.3	731.7
NM-31 White	1.173	45.4	28.6	640.5
NM-32 Yellow Gold	1.043	34.1	22.4	687.6
NM-33 Yellow Ochre	1.052	34.3	22.7	690.9
NM-34 Special Violet	1.008	30.2	24.4	704.1
NM-35 Port Wine Red	1.015	32.6	27.2	684.2
NM-36 Deep Blue	1.006	32.8	26.5	675.6
NM-37 Special Deep Black	0.975	23.0	17.4	751.8
NM-38 Special Red Maroon	1.005	31.4	25.3	689.0
NM-39 HS Special Red	1.003	33.3	25.9	669.2
NM-40 Royal Blue	0.988	32.7	26.3	664.9
NM-41 Reduced Black	0.967	24.5	18.0	730.6
NM-42 Silk Silver	1.035	30.5	19.1	719.4
NM-43 Silk Russet	1.038	30.5	18.9	721.5
NM-44 Silk Gold	1.031	30.2	19.0	719.9
NM-45 Silk Blue	1.028	29.2	18.1	727.3
NM-46 Silk Red	1.033	30.4	19.1	719.3
NM-47 Silk Green	1.035	30.6	19.2	718.3
NM-48 Silk Copper	1.030	29.8	18.7	723.2
NM-51 Red Yellow	1.005	33.2	26.3	671.0
NM-52 Topaz	1.008	33.7	25.5	668.3
NM-53 Organic Orange	0.998	31.7	23.2	681.2
NM-54 Special Silver Bright Fine	0.980	28.0	20.8	705.1
NM-55 Special Silver Coarse	0.997	33.4	25.8	664.5
NM-56 Silver Dollar Bright Coarse	0.999	33.3	25.4	666.5
NM-57 Silver Dollar Bright	0.999	33.2	25.3	667.5
NM-59 Metallic Additive	0.963	23.4	17.0	737.7
NM-60 Stabilizer Additive	0.963	23.4	17.0	737.7
NM-61 Effect White	1.091	38.4	27.5	671.8
NM-62 HS Special White	1.286	52.0	31.0	616.9
NM-63 HS Special Yellow	1.185	45.2	28.0	649.8

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Code & Name of Tinter	Density g/mL	Weight Solids %	Volume Solids %	VOC g/L
NM-65 Fine Metallic	0.980	24.3	16.2	742.5
NM-68 Extra Fine Silver	0.974	23.6	16.2	744.0
NM-69 Fine Silver	0.977	23.9	15.9	743.9
NM-70 Silver	0.972	23.5	16.1	743.8
NM-71 Medium Silver	0.981	24.3	16.1	742.8
NM-72 Coarse Silver	0.977	23.8	16.0	744.7
NM-74 Coarse Aluminium	0.974	23.6	16.1	743.8
NM-75 Extra Coarse Aluminium	0.979	24.5	16.4	739.2
NM-77 Fine White Pearl	1.048	32.3	20.2	709.4
NM-78 White Sparkle Pearl	1.040	31.7	20.1	710.2
NM-80 Yellow Pearl	1.055	33.0	20.6	706.0
NM-82 Fine Yellow Gold Pearl	1.024	30.3	19.1	713.6
NM-83 Orange Pearl	0.990	26.7	18.0	726.2
NM-86 Copper Pearl	1.048	32.2	20.2	709.7
NM-87 Bright Russet Pearl	1.056	32.8	20.2	709.4
NM-88 Fine Russet Pearl	1.057	32.8	20.1	710.3
NM-89 Blue Russet Pearl	1.048	32.2	20.1	710.8
NM-90 Red Blue Pearl	1.049	32.0	19.8	713.4
NM-91 Fine Blue Pearl	1.047	32.0	19.9	712.1
NM-92 Green Blue Pearl	1.033	30.9	19.7	714.4
NM-93 Fine Green Pearl	1.045	31.9	20.0	711.6
NM-95 Blue Green Pearl	1.048	32.3	20.2	709.4
NM-96 Red Pearl	1.046	32.2	20.3	709.0
NM-97 Fine Silver Pearl	1.035	31.0	19.7	713.8
NM-98 Fine Violet Pearl	1.064	33.8	20.8	704.3
NM-99 Metallic Raiser	1.014	30.3	20.5	706.1
NM-101 Red Candy	1.029	16.9	14.0	855.6
NM-102 Brandy Wine Candy	1.062	18.7	16.0	864.2
NM-103 Yellow Candy	1.075	20.4	17.8	855.8
NM-104 Green Candy	1.067	20.4	17.6	849.0
MS Uni Hardener Fast	0.968	40.2	33.6	578.3
MS Uni Hardener Normal	0.986	39.9	33.9	593.1
MS Uni Hardener Slow	1.004	40.9	35.4	593.8
MS Uni Hardener Super Fast	0.938	38.9	31.5	572.7
NM Reducer	0.883	0.0	0.0	8.83

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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 such as nitrocellulose or enamels

Substrate Preparation



All Substrates

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

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Product Preparation

	Reducer	1:1 (100% (v/v) of Concept NM Reducer Note: To activate, 5% Concept MS Uni Hardener can be added to the No Mix colour, before thinning, if required			
	Pot life @ 25°C (77°F)	N/A			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	17-18 s 15-16 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 mils		
	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.					

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Remarks	
	5 – 10% v/v of Concept NM-99 Metallic Raiser may be added for a brighter, cleaner and a more brilliant face and flip, if required.
	Shake all Tinter/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. 6-8 m ² /L DFT(after thinning)
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

48 x Concept No Mix Solid and Reduced Tinters	250mL, 1L
7 x Concept No Mix Xirallic Tinters	250mL, 1L
14 x Concept No Mix Metallic Tinters	1L
17 x Concept No Mix Pearl Tinters	1L
1 x Concept No Mix Metallic Raiser Tinter (NM-99)	1L
4 x Concept No Mix Candy Tinters	250mL
Concept MS Uni Hardeners	500mL, 1L
Concept NM 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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