

Date: 28th October 2019

Technical Data Sheet

Version: 02

Product Name	
Full Product Name	No Mix LV
Type of Product	2K low VOC solvent borne clear over base (COB) basecoat
Description	Concept No Mix LV is a Low VOC Automotive Refinish Colour System. This VOC-compliant clear over base (C.O.B) tinting system eliminates the need for agitation equipment. It provides outstanding colour strength, depth, and flow characteristics, with reliable ease of colour matching.

Toners/Tinters						
Code & Name of Toner/Tinter	Density		Weight Solids %	Volume Solids %	VOC USA REG lbs/US gal	VOC USA ACT lbs/US gal
	g/L	lbs/US gal				
LV-01 Black	1.063	8.87	35.0	30.0	3.48	1.84
LV-02 Blue	0.986	8.22	40.2	33.7	3.18	1.85
LV-03 Bright Blue	1.076	8.98	25.7	21.8	2.21	0.67
LV-04 Bright Gold	1.070	8.93	36.0	31.1	2.72	1.28
LV-05 Bright Red	1.079	9.01	27.2	23.8	2.36	0.80
LV-06 Custard	1.178	9.83	37.5	27.1	2.61	1.05
LV-07 Copper	1.099	9.17	31.6	24.3	2.79	1.07
LV-10 Deep Black	1.108	9.24	28.0	26.3	2.05	0.73
LV-11 Cobalt Blue	1.071	8.94	31.3	28.0	2.60	1.08
LV-12 Maroon	1.124	9.38	21.8	18.9	2.89	0.88
LV-13 Deep Maroon	1.125	9.39	23.2	20.2	2.84	0.91
LV-14 Garnet	1.052	8.78	31.1	27.2	2.86	1.21
LV-15 Green	1.104	9.21	33.6	29.0	2.63	1.14
LV-16 Green Blue	1.045	8.72	35.5	31.2	2.90	1.42
LV-17 Green Gold	1.086	9.06	33.4	29.9	3.09	1.49
LV-18 Grey Black	1.086	9.06	29.7	25.4	2.40	0.87
LV-19 Empress Black	1.022	8.53	15.0	11.6	3.22	0.63
LV-20 Light Red Oxide	1.136	9.48	30.5	23.1	2.83	1.02
LV-21 Lime	1.131	9.44	32.3	27.1	1.65	0.56
LV-22 Magenta	1.072	8.95	30.3	26.8	2.74	1.12

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	g/L	lbs/US gal			USA REG lbs/US gal	USA ACT lbs/US gal
LV-23 Midnight Blue	1.072	8.94	34.8	30.0	2.54	1.12
LV-24 Red Gold	1.105	9.22	31.9	25.1	2.56	0.97
LV-25 Red Maroon	1.080	9.02	31.2	27.7	3.09	1.42
LV-28 Turquoise	1.078	9.00	35.0	31.2	2.75	1.31
LV-29 Midnight Black	1.028	8.58	37.7	32.1	3.16	1.77
LV-30 Violet	1.062	8.86	24.0	20.8	2.35	0.70
LV-31 White	1.283	10.71	45.3	31.5	1.90	0.79
LV-32 Yellow Gold	1.097	9.16	33.2	24.2	2.96	1.18
LV-33 Yellow Ochre	1.147	9.57	33.1	24.7	2.59	0.96
LV-34 Special Violet	1.077	8.98	28.3	25.6	2.54	0.96
LV-35 Port Wine Red	1.080	9.01	32.0	29.1	3.10	1.49
LV-36 Deep Blue	1.091	9.10	31.8	28.9	2.76	1.23
LV-37 Special Deep Black	1.089	9.09	21.0	18.5	2.97	0.88
LV-38 Special Red Maroon	1.095	9.14	30.4	27.8	1.77	0.63
LV-39 HS Special Red	1.071	8.93	31.1	26.9	2.67	1.08
LV-41 Reduced Black	1.058	8.83	23.4	20.1	2.67	0.81
LV-42 Silk Silver	1.143	9.54	30.1	21.6	2.54	0.81
LV-43 Silk Russet	1.141	9.52	29.5	21.0	2.74	0.89
LV-44 Silk Gold	1.147	9.57	30.2	21.6	2.55	0.82
LV-45 Silk Blue	1.145	9.56	30.3	21.8	2.55	0.83
LV-46 Silk Red	1.147	9.57	30.2	21.7	2.62	0.86
LV-47 Silk Green	1.151	9.61	30.7	21.9	2.55	0.83
LV-48 Silk Copper	1.132	9.44	28.7	20.9	2.67	0.85
LV-51 Red Yellow	1.095	9.14	32.1	28.6	3.43	1.71
LV-52 Topaz	1.100	9.18	34.2	29.3	2.45	1.03
LV-53 Organic Orange	1.066	8.89	29.9	24.2	3.02	1.24
LV-59 Metallic Additive	1.060	8.85	23.0	19.6	2.59	0.79
LV-60 Stabilizer Additive	1.068	8.91	22.4	19.4	2.81	0.84
LV-61 Effect White	1.180	9.84	38.1	29.6	3.07	1.49
LV-62 HS Special White	1.392	11.62	51.6	32.9	2.41	1.14
LV-63 HS Special Yellow	1.288	10.75	45.6	31.0	2.57	1.17
LV-65 Fine Metallic	1.086	9.06	25.6	20.3	2.91	0.96
LV-66 Medium Metallic	1.080	9.01	24.2	20.0	2.90	0.94
LV-67 Coarse Metallic	1.078	9.00	24.4	20.2	2.76	0.87
LV-68 Extra Fine Silver	1.089	9.09	25.7	21.0	2.46	0.76
LV-69 Fine Silver	1.085	9.05	25.7	20.4	2.80	0.91
LV-70 Silver	1.079	9.00	24.8	20.2	2.82	0.90

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Code & Name of Toner/Tinter	Density		Weight Solids	Volume Solids	VOC USA REG	VOC USA ACT
	g/L	lbs/US gal			lbs/US gal	lbs/US gal
LV-71 Medium Silver	1.092	9.11	25.9	20.7	2.82	0.93
LV-72 Coarse Silver	1.087	9.07	26.0	20.8	2.78	0.91
LV-74 Coarse Aluminium	1.080	9.01	24.8	20.2	2.79	0.89
LV-75 Extra Coarse Aluminium	1.086	9.06	26.1	20.7	2.77	0.91
LV-77 Fine White Pearl	1.164	9.71	31.9	23.2	2.39	0.80
LV-78 White Sparkle Pearl	1.142	9.53	30.7	22.5	2.48	0.82
LV-80 Yellow Pearl	1.163	9.70	32.4	23.2	2.43	0.82
LV-82 Fine Yellow Gold Pearl	1.120	9.35	30.1	22.0	2.69	0.95
LV-83 Orange Pearl	1.090	9.10	26.0	20.4	3.03	1.03
LV-86 Copper Pearl	1.163	9.70	32.8	23.1	2.36	0.78
LV-87 Bright Russet Pearl	1.179	9.84	33.5	23.3	2.41	0.81
LV-88 Fine Russet Pearl	1.179	9.84	33.4	23.1	2.45	0.83
LV-89 Blue Russet Pearl	1.150	9.60	31.2	22.4	2.50	0.83
LV-90 Red Blue Pearl	1.166	9.73	31.8	22.7	2.38	0.78
LV-91 Fine Blue Pearl	1.171	9.77	32.9	23.0	2.45	0.82
LV-92 Green Blue Pearl	1.148	9.58	30.9	22.5	2.49	0.82
LV-93 Fine Green Pearl	1.166	9.73	32.6	23.0	2.40	0.80
LV-95 Blue Green Pearl	1.162	9.70	32.4	23.1	2.38	0.79
LV-96 Red Pearl	1.156	9.64	31.6	22.9	2.56	0.87
LV-97 Fine Silver Pearl	1.138	9.50	30.2	22.0	2.65	0.88
LV-98 Fine Violet Pearl	1.171	9.77	33.2	23.4	2.36	0.79
LV-99 Metallic Raiser	1.086	9.06	26.3	21.6	2.54	0.81
LV-101 Red Candy	1.029	8.59	16.9	14.0	2.99	0.68
LV-102 Brandy Wine Candy	1.062	8.86	18.7	16.0	2.93	0.75
LV-103 Yellow Candy	1.075	8.97	20.4	17.8	3.04	0.88
LV-104 Green Candy	1.067	8.90	20.4	17.6	2.37	0.60
Zero VOC Reducer - Fast	0.996	8.31	0.0	0.0	0.00	0.00
Zero VOC Reducer - Normal	1.178	9.83	0.0	0.0	0.00	0.00
Zero VOC Reducer - Slow	1.254	10.47	0.0	0.0	0.00	0.00
LV Primer Hardener (Zero VOC)	1.272	10.61	34.5	37.8	0.00	0.00
Europrema	1.538	12.84	72.5	52.1	3.50	

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 LV 1.9 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.

Product Preparation

	Reducer	Up to 150% (v/v) of Concept Zero VOC Reducer Note: recommended for better adhesion to activate, 5% of Concept LV Primer Hardener (Zero VOC) can be added to the No Mix LV 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	13-15 s 11-13 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 time @ 25°C (77°F)	5-10 min between No Mix_LV (a minimum of 30 minutes flash off before applying the Concept recommended HS Pro 2K Clear)			
	Drying	Air Dry @ 25°C (77°F)	30-40 min (before applying the HS-Pro 2K Clear)		
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 LV-99 Metallic Raiser may be added for a brighter, cleaner and a more brilliant face and flip, if required
	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 Cleaner

Product Data	
Theoretical Coverage	Approx. 7-10 m ² /L (650 ft ² /US gal @ 25 µm (1.0 mil) DFT once reduced
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

44 x Concept No Mix LV Solid and Reduced Toners	250mL, 1L
7 x Concept No Mix LV Xirallic Toners	250mL
10 x Concept No Mix LV Metallic Toners	1L
18 x Concept No Mix LV Pearl Toners	1L
4 x Concept No Mix LV Candy Toners	250mL
Concept Zero VOC Reducer Fast, Normal, Slow	4L, 20L
Concept LV Primer Hardener (Zero VOC)	1L
Concept HS-Pro 2K Clear (3:1)	4Lt Kit

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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