

Date: 21st May 2021

Technical Data Sheet

Version:02

Product Name	
Full Product Name	HS LV-1.9 Primer
Type of Product	2K high build low VOC acrylic urethane primer
Description	<p>Concept HS LV-1.9 Primer is a 2K high build acrylic urethane primer that combines the benefits of a putty and a primer in one. Its unique formulation ensures there is no need to apply a putty and a primer over a prepared surface. It is characterised excellent film build, it is very easy to sand and is suitable under any topcoat. It also has excellent rust inhibiting properties.</p> <p>HS LV-1.9 Primer has been developed to meet the stringent VOC regulations of Southern California. When mixed with the LV Primer Hardener (Zero VOC) an application VOC of less than 225 g/L or 1.9 lb/gal is achieved.</p>

Products						
Product Name	Volume Solids %	Weight Solids %	Density g/mL bs/US gal		VOC USA REG lbs/US gal	VOC USA ACT lbs/US gal
HS LV-1.9 Primer White	48.5	64.2	1.654	13.81	2.21	1.54
HS LV-1.9 Primer Grey	48.6	64.4	1.657	3.83	2.22	1.55
HS LV-1.9 Primer Black	48.1	64.2	1.666	13.90	2.24	1.55
LV Primer Hardener (Zero VOC)	37.8	34.5	1.272	10.61	0.00	0.00
Zero VOC Reducer Normal	0.0	0.0	1.178	9.83	0.00	0.00
Low VOC Reducer Slow	0.0	0.0	1.254	10.47	0.00	0.00

Properties
• VOC compliant
• Excellent film build
• Excellent corrosion protection
• Easy to sand
• Suitable for use under all CONCEPT Paints Topcoats.

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Substrates

- Mild Steel and Steel Alloy surfaces
- Stainless steel grade 316
- Aluminium
- Galvanised steel, Zincalume, Zincanneal
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound, cured and properly prepared existing surfaces

Substrate Preparation



All Substrates















All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application. Lightly rusted surfaces must be treated with Concept 025 Rust Converter.

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Product Preparation

	Mixing Ratio 4:1 (by volume)		Concept HS LV-1.9 Primer	Concept LV Primer Hardener (Zero VOC)	
			4 parts	1 part	
	Reducer	Up to 10% (v/v) of Concept Zero/Low VOC Reducer, if required.			
	Pot life @ 25°C (77°F)	2-3 hours			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	22-24 s 19-21 s		
   	Spray equipment	Gun type	Fluid tip	Spray pressure	
				Inlet	At Gun Cap
		Gravity feed	1.8-2.0 mm 0.071-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		Suction feed	1.8-2.0 mm 0.071-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		HVLP (Gravity Feed)	1.5-1.8 mm 0.059-0.071"	200 kPa 2.0 bar 30 psi	55-70 kPa 0.55-0.70 bar 8-10 psi
	Number of coats	2-3 (up to 4)	Apply one coat followed by two even full coats. Avoid heavy wet coats.		
	DFT Recommended	50-80 µm (up to 100 µm) 2.0-3.2 mils (up to 4.0 mils)			
	Flash off time @ 25°C (77°F)	5 min between coats			
 	Drying	Air Dry @ 25°C (77°F)	3-4 hours 50-80 µm (2.0-3.2 mils) 16-24 hours 100 µm (4 mils)		
		Low Bake @ 50°C (122°F)	30-40 min		
		Infra-Red Dry	12-15min short wave or 18-22 min medium wave		
	Sanding	Wet sand with P600-P800 before applying finish coat or Dry sand with P240 followed by P400-P500 using an orbital sander			

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.

NOTE:

Ensure the complete removal of any residue of Rust Converter before applying this primer.

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Hardness

Excellent

Flexibility

Excellent

Chemical and water resistance

Excellent

Corrosion protection

Excellent

Sanding

Excellent

Product Data

Theoretical Coverage

Approx. 5 m²/L (205 ft²/US gal) @ recommended DFT

Shelf Life

36 months in an unopened container at room temperature away from sunlight.

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Product Packaging

Product Code	Product Name	Package Size
AU13560000004	HS LV-1.9 Primer White	4L
AU13562000004	HS LV-1.9 Primer Grey	4L
AU13570000004	HS LV-1.9 Primer Black	4L
AU1359200000X	LV Primer Hardener (Zero VOC)	250 mL, 1L
AU8079200000X	Zero VOC Reducer Normal	5L, 20L
AU8079100000X	Low VOC Reducer Slow	5L, 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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