

# Technical Data Sheet

Product Name	
Full Product Name	<b>103 HB Etch Primer</b>
Type of Product	103 HB Etch Primer
Description	Concept 103 HB Etch Primer is a chromate free 1K epoxy modified PVB etch and primer in one. It is characterised by its excellent adhesion properties over a wide range of metal substrates. It can also be used on previously painted surfaces in a sound condition.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
103 HB Etch Primer - Black	29.7	46.2	1.071	8.94	574.8	4.80
103 HB Etch Primer - Grey	27.6	48.6	1.140	9.51	585.0	4.88
103 HB Etch Primer - White	27.8	49.2	1.150	9.60	583.0	4.87
808 Multi-Thinner	0.0	0.0	0.805	6.71	803.5	6.71

Properties
<ul style="list-style-type: none"> <li>Fast dry</li> </ul>
<ul style="list-style-type: none"> <li>Chromate free</li> </ul>
<ul style="list-style-type: none"> <li>Two in one (etch and primer)</li> </ul>

## Substrates

• Mild steel surfaces
• Aluminium
• Stainless steel grade 316
• Galvanised steel, Zincalume, Zincanneal
• Glass reinforced polyester (GRP & general types of fibreglass body parts)
• Sound existing enamel and acrylic lacquer 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.

## Product Preparation



	<b>Reducer</b>	40-100% (v/v) of Concept 808 Multi-Thinner.	
	<b>Pot life @ 25°C (77°F)</b>	N/A	
	<b>Spray viscosity @ 25°C (77°F)</b>	<b>BSB 4 Cup</b>	18-19 s
		<b>Ford 4 Cup</b>	16-17 s

# Technical Data Sheet

## Product Preparation cont

Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	<b>Gravity feed</b>	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
	<b>Suction feed</b>	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
	<b>HVLP</b>	1.5-1.8 mm 0.059-0.071"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	<b>Number of coats</b>	2-3	Apply one coat followed by two even full coats. Avoid heavy wet coats.	
	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils		
	<b>Flash off time @ 25°C (77°F)</b>	3-5 min between coats		
	<b>Drying</b>	<b>Air Dry @ 25°C (77°F)</b>	40-60 min	
	<b>Sanding</b>	Wet sand with P600-P800 before applying finish coat or Dry sand with 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.				

## 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.

## Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

## Dry Film Properties

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

**Adhesion**

Excellent

**Corrosion protection**

Excellent

**Sanding**

Excellent

## Product Data

**Colour**

Black, Grey, White

**Theoretical Coverage**

Approx. 5.0 m<sup>2</sup>/L (205 ft<sup>2</sup>/US gal) @ recommended DFT

**Shelf Life**

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

## Product Packaging

**Product Code**

**Product Name**

**Package Size**

IN1037000000X

103 HB Etch Primer - Black

1L, 4L, 20L

IN1036200000X

103 HB Etch Primer - Grey

1L, 4L, 20L

IN1036000000X

103 HB Etch Primer - White

1L, 4L, 20L

AU8089200000X

808 Multi-Thinner

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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