Date: 20th January 2025

# **Technical Data Sheet**



Product Name	
Full Product Name	103 HB Etch Primer
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 %	Den g/mL lt	<b>sity</b> bs/US gal		<b>OC</b> 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

- Fast dry
- Chromate free
- Two in one (etch and primer)



# **Technical Data Sheet**

#### Version: 03

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#### **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.

Prod	uct Preparat	tion		
	Reducer	40-100%	(v/v) of Concept 808 Multi-Thinner.	
A B	Pot life @ 25°C (77°F)	N/A		
S	Spray viscosity @ 25°C (77°F)	BSB 4 Cu Ford 4 Cu		



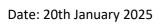
Date: 20th January 2025

# **Technical Data Sheet**

	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
		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
1		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		HVLP	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
	Number of coats	2-3 Apply one coat followed by two even full coats Avoid heavy wet coats.			en full coats.
7	DFT Recommended	40-50 μm 1.6-2.0 mils			
) <u>↑ / ↑ /</u>	Flash off time @ 25°C (77°F)	3-5 min between coats			
	Drying	Air Dry @ 25°C (77°F)	7°F) 40-60 min		
e	Sanding	Wet sand with P600-P800 before applying finish coat or Dry sand with P400-P500 using an orbital sander			

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.
₽°F/°C	Surface temperature must always be a minimum of 3°C (5°F) above dew point.



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#### **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 IN1036200000X IN1036000000X AU8089200000X	103 HB Etch Primer - Black 103 HB Etch Primer - Grey 103 HB Etch Primer - White 808 Multi-Thinner	1L, 4L, 20L 1L, 4L, 20L 1L, 4L, 20L 1L, 4L, 20L 1L, 4L, 20L

Date: 20th January 2025

### **Technical Data Sheet**



Version: 03

#### 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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