

# Technical Data Sheet

Product Name	
Full Product Name	<b>110 Metal Etch</b>
Type of Product	1K Etch Primer
Description	Concept 110 Metal Etch is a 1K epoxy modified PVB primer designed to provide excellent adhesion to all common metal substrates, whilst providing significant anti-corrosive properties. 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
110 Metal Primer - Grey	10.9	20.6	0.914	7.63	730.7	6.10
110 Metal Primer - Black	11.1	21.2	0.920	7.68	729.2	6.09
110 Metal Primer - White	11.6	21.8	0.923	7.70	725.2	6.05
808 Multi-Thinner	0.0	0.0	0.805	6.71	803.5	6.71

Properties
<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>
<ul style="list-style-type: none"> <li>• Wet-on-wet application</li> </ul>

## Substrates

- Mild steel surfaces
- Aluminium, Chrome, Brass, Copper
- Stainless steel grade 316
- Galvanised steel, Zincalume, Zincanneal
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound existing coatings
- Can be used also as a weld through primer




## 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>	10%-30% (v/v) of Concept 808 Multi-Thinner, if required.	
	<b>Pot life</b> @ 25°C (77°F)	N/A	
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	18-19 s 16-17 s

## Product Preparation cont

 Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	1.5-1.8 mm 0.059-0.071"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	1.5-1.8 mm 0.059-0.071"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	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 one or two even full coats. Avoid heavy wet coats.	
	DFT Recommended	40-50 µm 1.6-2.0 mils		
	Flash off time @ 25°C (77°F)	3-5 min between coats		
	Drying	<b>Air Dry</b> @ 25°C (77°F)	10 min before topcoating wet-on-wet 60 min hard dry	
	Sanding	If required, 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

# Technical Data Sheet

Dry Film Properties	After 7 days drying, <u>when compared to similar technology products.</u>
Adhesion	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data	
Colour	Grey, Black, 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
IN1106200000X	110 Metal Etch - Grey	1L, 4L, 10L, 20L
IN1107000000X	110 Metal Etch - Black	1L, 4L, 20L
IN1106000000X	110 Metal Etch - White	1L, 4L, 10L, 20L
AU8089200000X	808 Multi-Thinner	1L, 4L, 20L

Safety
<p>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.</p> <p>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.</p>

# Technical Data Sheet

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This Technical Data Sheet supersedes all previous issues.

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