

Technical Data Sheet

Product Name	
Full Product Name	Metal Etch
Type of Product	1K etch primer
Description	Concept Metal Etch is a 1K epoxy modified PVB primer. It is 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
Metal Etch Gray	10.9	20.6	0.914	7.63	730.7	6.10
Metal Etch Black	11.1	21.2	0.920	7.68	729.2	6.09
Metal Etch White	11.6	21.8	0.923	7.70	725.2	6.05
Multi-Thinner	0.0	0.0	0.805	6.71	803.5	6.71

Properties
<ul style="list-style-type: none"> • Chromate free.
<ul style="list-style-type: none"> • Two in one (etch and primer).
<ul style="list-style-type: none"> • Wet-on-wet application.

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Substrates

<ul style="list-style-type: none"> Mild steel surfaces.
<ul style="list-style-type: none"> Aluminium, chrome, brass, copper.
<ul style="list-style-type: none"> Stainless steel grade 316.
<ul style="list-style-type: none"> Galvanised steel, Zincolume, Zinccanneal.
<ul style="list-style-type: none"> Polyester filler.
<ul style="list-style-type: none"> Glass reinforced polyester (GRP & general types of fibreglass body parts).
<ul style="list-style-type: none"> Sound existing coatings.

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 Light Rust & Metal Converter.

Product Preparation



	Reducer	5-10% (v/v) of Concept Multi-Thinner, if required.	
	Pot life @ 25°C (77°F)	N/A	
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup	18-19 s.
		Ford 4 Cup	16-17 s.

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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	Air Dry @ 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 the 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 the dew point.

Equipment Cleaning

Use recommended Concept Paints cleaner such as Concept Gunwash or Multi-Thinner.

Dry Film Properties

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

Adhesion

Excellent.

Corrosion protection

Excellent.

Durability

Excellent.

Product Data

Colour

Gray, Black, White.

Theoretical Coverage

Approx. 5.0 m²/L (205 ft²/US gal) @ recommended DFT.

Shelf Life

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

Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A03C/MEG	1106200	Metal Etch Gray	1L, 4L, 10L, 20L
A03C/MEB	1107000	Metal Etch Black	1L, 4L, 10L, 20L
A03C/MEW	1106000	Metal Etch White	1L, 4L, 10L, 20L
A08C/MT	8089200	Multi-Thinner	1L, 4L, 20L, 60L

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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