

Technical Data Sheet

Product Name

Full Product Name **2K Etch Primer**

Type of Product 2K acid etch primer

Description Concept 2K Etch Primer is an acid containing etch and primer in one product. This product is characterized by excellent adhesion and corrosion protection for a wide range of metal substrates. 2K Etch Primer also includes a rust inhibitor and gives a sound surface for the application of primer surfacers and subsequent topcoats. It is used when high performance corrosion and adhesion quality is required. It is Chromate free.

Products

Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Etch Primer Beige	27.5	49.1	1.153	9.622	578.0	4.82
2K Etch Primer Black	29.7	46.2	1.071	8.938	574.8	4.80
2K Etch Catalyst	1.5	3.4	0.815	6.80	782.0	6.53
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties

- Two in one (etch and primer)
- Excellent drying, adhesion and etching properties
- Chromate free
- Excellent corrosion protection
- Higher build when compared to other 2K Etching Primers

Substrates

- Mild Steel
- Aluminium
- Galvanised iron, 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 Anti-static Cleaner prior to application. Lightly rusted surfaces must be treated with Concept 025 Rust Converter.

Product Preparation



	Mixing Ratio 2:1 (by volume)		Concept 2K Etch Primer	Concept 2K Etch Catalyst
			2 parts	1 part
	Reducer	Concept 2K Thinner, if required.		
	Pot life @ 25°C (77°F)	4-5 hours		
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	15-17 s 13-15 s	

Product Preparation cont

   	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
		Gravity feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		Suction feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		HVLP	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
		Airless Air Assisted Electrostatic	Consult the manufacturer's instructions.		
	Number of coats	2-3 coats	Apply one light coat followed by 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)	5 min between coats			
	Drying	Air Dry @ 25°C (77°F)	4-6 hours		
	Sanding	Wet sand with P600-P800 or Dry sand with P500-P800 before applying finish coat.			

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

Equipment Cleaning

Use recommended Concept Paints 035 Gun Wash

Dry Film Properties

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

Hardness	Excellent
Corrosion protection	Good
Sanding	Very good

Product Data

Colour	Beige, Black
Theoretical Coverage	Approx. 5 m ² /L (205 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

Product Code 2	Product Name	Package Size
AU1326100000X	2K Etch Primer Beige	1L, 4L
AU1327000000X	2K Etch Primer Black	1L, 4L
AU2109000000X	2K Etch Catalyst	500mL, 1L
AU8319100000X	2K Thinner Slow	1L, 4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	2K Thinner Fast	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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