



POLYCELL END RUST RUST CONVERTER AND PRIMER

PRODUCT DATA SHEET NO.: M-91-A
DATE: JUNE 2008

PRODUCT CODE: 502102 THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	A high quality polymer based waterborne rust converter for use on rusted mild steel.		
Intended uses	<ul style="list-style-type: none"> • To neutralise red rust on mild steel in areas where it is impractical / impossible to remove rust completely, such as burglar bars, fencing, structural steel, etc. • To give corrosion protection to rusted surfaces without the need for intensive surface preparation. • For interior and exterior use. • NOT for use on galvanised iron roofs since temperatures above 65 °C may cause break down of the polymer. 		
Features	<ul style="list-style-type: none"> • Reacts chemically with rust and effectively stops further corrosion. • On drying the creamy white coating is converted to a firmly adherent bluish-black film. • Water insoluble after curing. • Can be overcoated with most types of solvent borne and waterborne emulsion paints such as alkyds, acrylics, epoxies, polyurethanes and vinyls systems. 		
Product Information	Appearance	Glossy	
	Colour	Creamy White - converts to blue-black	
	Generic type	Water dilutable polymers	
	S G	1.08 (typical)	
	pH	1,5 - 3,5	
	Recommended DFT	Min.: 20 µm	Max.: 30 µm
	Practical spreading rate	Approx. 7 m ² /λ	
	Viscosity	60 - 65 KU	
	Dry temp resistance	Continuous	: 50 °C
		Non-continuous	: 65 °C
	Flash point	Non-flammable	
Application Details	Mixing	Stir with a flat paddle or shake container until homogeneous.	
	Method	Brush, roller or airless spray	
	Thinning	Not normally required for brush or roller application. Thin 5 - 10 % with water for conventional spray.	
	Cleaning	Water	
	Substrate	Well prepared rusty steel.	
	Application Environment	Surface Temperature	Ambient Temperature
		Min.: 8 °C	Min.: 8 °C
		or 2 °C above dew point	
		Max.: 40 °C	Max.: 40 °C
			Max.: 85 %
	Drying time	Touch dry	30 min at 23 °C
		Dry to handle	1 h at 23 °C
		Overcoating	<ul style="list-style-type: none"> • 1 h at 23 °C if overcoating with itself. • 4 h at 23 °C if overcoating with other paints to allow for chemical reactions to complete. • No max. limit provided surface is clean and firm.
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 500 ml. and 1 λ. plastic bottles.		

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Surface Preparation	1	Remove all loose rust by wire brushing, chipping or scraping to Grade St2 of Swedish Standard SIS 055900 - 1967.
	2	Remove oil, grease or any contaminants using POLYCELL BRUSH CLEANER followed by clean water rinses
	3	N.B. Particularly in coastal areas surfaces must be rinsed thoroughly with fresh water to remove saline deposits before applying POLYCELL END RUST .

Application	<ul style="list-style-type: none">Apply in full wet coats by brush, roller or airless spray to allow maximum penetration into remaining rust.
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Topcoating	<ul style="list-style-type: none">May be overcoated with itself (unexposed conditions only) or with alkyd paint systems, epoxies, polyurethanes, vinyls systems, etc. Before overcoating with emulsion paints (such as Wall & All (WAA)) first apply a coat of SUPER UNIVERSAL UNDERCOAT (UC 1) to prevent bleed through.For added protection in humid and coastal environments apply a coat of a suitable anti-corrosive primer before top coating.
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Cautions	<ul style="list-style-type: none">Do not apply below 8 °C or during inclement weather.Do not apply emulsion paints directly to POLYCELL END RUST.Do not use on galvanised roofs.ONCE STIRRED, DECANT WHAT IS REQUIRED FOR APPLICATION IN ORDER TO PREVENT BRUSH RESIDUE CONTAMINATION OF THE UNUSED PRODUCT. DO NOT PUT USED PRODUCT BACK INTO THE CONTAINER. THIS WILL RESULT IN GELLING.
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Safety Precautions	<ul style="list-style-type: none">Handle with care - the product is acidic.Protective clothing and goggles should be worn when applying by spray.Keep out of reach of children.Ensure good ventilation during application and drying.In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.Refer to Material Safety Data Sheet for complete information.
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DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B.: Technology may change with time necessitating changes to this Product Data Sheet (PDS). It is the responsibility of the user to ensure that the latest PDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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