



Barloworld
Plascon South Africa

POLYCELL END RUST RUST CONVERTER AND PRIMER

TECHNICAL DATA SHEET NO.:
DATE:

M-91-B
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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. 		
Product Information	Appearance	Glossy	
	Colour	Creamy White - converts to blue-black	
	Generic type	Water dilutable polymers	
	S G at 23°C	1.08 kg / ℓ (typical)	
	pH	1,5 - 3,5	
	Recommended DFT	Min.: 20 μm	Max.: 30 μm
	Spreading rate	Approx. 7 m ² / ℓ	
	Viscosity at 23°C	60 - 65 KU	
	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.
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 500 ml and 1 ℓ plastic bottles.		

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Surface Preparation	1	Remove all loose rust by wire brushing, chipping or scraping to Grade St2 of ISO 8501-1:1988.
	2	Remove oil, grease or any contaminants using POLYCELL BRUSH CLEANER PAINT AND GREASE REMOVER 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	•	Apply in full wet coats by brush, roller or airless spray to allow maximum penetration into remaining rust.
Topcoating	•	May be overcoated with itself (unexposed conditions only) or with alkyd paint systems, epoxies, polyurethanes, vinyls, etc. Before overcoating with emulsion paints (such as WALL & ALL (WAA)) first apply a coat of PLASCON 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.
Cautions	•	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.
Safety Precautions	•	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.
Transportation		This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act of 1996.

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 Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

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

BARLOWORLD PLASCON SOUTH AFRICA (PTY) LIMITED

CAPE TOWN:

P O Box 42
Eppindust 7475
Tel: (021) 505-2400
Fax: (021) 534-3791

DURBAN:

Private Bag X16
Mobeni 4060
Tel: (031) 451-3200
Fax: (031) 451-3411

MOGALE CITY

(KRUGERSDORP):
Private Bag X4010
Kenmare 1745
Tel: (011) 951-4500
Fax: (011) 955-4136

PORT ELIZABETH:

P O Box 1594
Port Elizabeth 6000
Tel: (041) 401-1400
Fax: (041) 453-4596