

POLYCELL END RUST

PRODUCT CODE: 502102

TECHNICAL DATA SHEET

Product Description	POLYCELL END RUST is a high-quality polymer based waterborne rust converter.													
Intended uses	<ul style="list-style-type: none"> To neutralise red rust and give corrosion protection to rusted mild steel surfaces in areas where it is impractical/impossible to remove rust completely, such as burglar bars, fencing, structural steel, etc. For interior and exterior use. 													
Features & Benefits	<ul style="list-style-type: none"> Reacts chemically with rust and effectively stops further corrosion. *(refer to application) On drying the creamy white coating is converted to a firmly adherent bluish-black film. Water insoluble after curing. Can be over coated with most types of solvent borne and waterborne emulsion paints such as alkyds, acrylics, epoxies, polyurethanes and vinyl systems. 													
Product Information	Appearance	Glossy												
	Colour	Creamy White - converts to blue-black												
	Generic type	Water-dilutable polymers.												
	pH	1,5 - 3,5												
	Recommended DFT	Min: 20 µm, Max: 30 µm												
	Practical spreading rate	Approx. 7 m ² /L												
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												
	Drying time	Touch dry 30 min at 23 °C Over coating: 4 h at 23 °C												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <tr> <td>Min: 10 °C</td> <td>Min: 10 °C</td> <td>Min: 10 %</td> </tr> <tr> <td colspan="3">or 3 °C above dew point</td> </tr> <tr> <td>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85 %</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	or 3 °C above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 500 ml and 1 L plastic bottle.													

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Surface Preparation	<ul style="list-style-type: none"> Remove all loose rust by wire brushing, chipping, scraping and abrading to Grade St2 of ISO 8501-1:2007 Remove oil, grease or any contaminants using POLYCELL BRUSH CLEANER (502205) followed by clean water rinses N.B. Particularly in coastal areas surfaces must be rinsed thoroughly with fresh water to remove salt deposits before applying POLYCELL END RUST. Surface must be primed with a suitable corrosion resistant primer based on topcoat choice.
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. After POLYCELL END RUST has chemically reacted, any excess material which has not turned bluish-black must be rinsed off with water before over coating For complete obliteration on dark primers apply a coat of UNIVERSAL UNDERCOAT (UC 1) when using a white or pastel shade topcoat
Cautions	<ul style="list-style-type: none"> Do not apply below 10 °C or during inclement weather. Do not apply emulsion paints directly to POLYCELL END RUST, first apply one full coat of UNIVERSAL UNDERCOAT (UC 1). NOT for use on galvanised iron or mild steel roofs or on surfaces exceeding temperatures above 60 °C as this will cause a breakdown of the polymer. 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.
Safety Precautions	<ul style="list-style-type: none"> Handle with care - the product is acidic. Acid resistant protective clothing, gloves 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 eye contact, wash with copious amounts of water and consult a doctor. Harmful if swallowed. Do not induce vomiting. Seek medical attention. Refer to Safety Data Sheet for complete information

DISCLAIMER:

The recommendations contained herein are given in 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.

NB: 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.

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