

METALCARE MILD STEEL PRIMER

PRODUCT CODE: UC 501

TECHNICAL DATA SHEET

Product Description	A good quality alkyd-based zinc phosphate primer.													
Intended Uses	<ul style="list-style-type: none"> Designed for general use on mild steel under alkyd-based undercoats and topcoats including micaceous iron ore types to promote adhesion. 													
Features	<ul style="list-style-type: none"> Provides good corrosion protection. Provides good adhesion 													
Product Information	Appearance	Matt												
	Colour	Green												
	Solids	Approx. 63 % by mass; 45 % by volume												
	Recommended DFT	Min: 25 µm Max: 40 µm												
	Theoretical spreading rate	15.0 m ² /ℓ at 30 µm												
	Viscosity at 23 °C	70 KU (typical)												
	S G	1,26 (typical)												
	Flash Point	> 38 °C												
	VOC	481 g/ℓ												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.												
	Method	Brush, roller or spray.												
	Thinning	Not normally necessary for brush or roller application. For spray application thin approx 10% with MINERAL TURPENTINE (AZH 1)												
	Cleaning	MINERAL TURPENTINE (AZH 1) or POLYCELL BRUSH CLEANER.												
	Substrate	Thoroughly cleaned and prepared mild steel surfaces.												
	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 2 °C min. 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 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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Max: 40 °C	Max: 40 °C	Max: 85 %												
	Drying time	Touch dry 4 h at 23 °C Dry to handle 16 h at 23 °C Over coating 16 h at 23 °C												
Storage and Packaging	Store away from direct sun, heat and severe cold.													
	Packaging: 500 mℓ, 1 ℓ and 5 ℓ .													
Surface Preparation	All mild steel surfaces must be clean, dry and sound.													
	<ul style="list-style-type: none"> UNCOATED MILD STEEL: Remove oil, grease and dirt and any other contaminants with PLASCON AQUASOLV DEGREASER (GR 1). Rinse thoroughly with clean water. Remove all rust by coarse sanding, mechanical grinding, wire brushing, etc. Alternatively prepare steel by wire brushing to Grade ST 3 of ISO 8501-1;1988 PREVIOUSLY PAINTED MILD STEEL: Remove rust or peeling paint with the appropriate PLASCON REMOVAL COATING/RUST REMOVER product or by wire brushing and sanding. Rinse thoroughly with clean water, repeat if necessary. Allow to dry. 													

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Application	<ul style="list-style-type: none"> Apply by brush, roller or spray. Ensure that a minimum dry film thickness of 25 µm is achieved. Peaks on abrasive blasted surfaces must also be covered by a minimum of 25 µm - apply more than one coat if necessary.
Caution	<ul style="list-style-type: none"> Not recommended for galvanised steel. Avoid excessively thick coats which will retard through drying. Must be overcoated within 48 hours @ 23 °C to avoid onset of corrosion.
Safety Precautions	<ul style="list-style-type: none"> Always keep paint out of reach of children. Ensure good ventilation during application and drying. If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. Do not smoke while painting. Flammable. Store in a cool dry place away from heat and sparks. Refer to Material 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

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