

# METALCARE MILD STEEL PRIMER

PRODUCT CODE: UC 501

## TECHNICAL DATA SHEET

<b>Product Description</b>	A good quality alkyd-based zinc phosphate primer.														
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>Designed for general use on mild steel under alkyd-based undercoats and topcoats.</li> </ul>														
<b>Features</b>	<ul style="list-style-type: none"> <li>Provides good corrosion protection.</li> <li>Provides good adhesion</li> </ul>														
<b>Product Information</b>	Appearance	Matt													
	Colour	Green													
	Solids	45 % by volume													
	Viscosity at 23 °C	70 KU (typical)													
	Recommended DFT	25 – 40 µm													
	Recommended WFT	56 – 89 µm													
	Theoretical spreading rate	15.0 m <sup>2</sup> /L @30 µm													
	VOC	481 g/L													
<b>Application Details</b>	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.													
	Method	Brush, roller or spray.													
	Thinning	Not required for brush or roller application. For spray application thin approx 10% with <b>MINERAL TURPENTINE (AZH 1)</b>													
	Cleaning	<b>MINERAL TURPENTINE (AZH 1)</b> or <b>POLYCELL BRUSH CLEANER</b> .													
	Drying time	Touch dry: 4 h at 23 °C Over coating: 16 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 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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<b>Storage and Packaging</b>	Store away from direct sun, heat and severe cold. Packaging: 500 mℓ, 1 ℓ and 5 ℓ .														
<b>Surface Preparation</b>	All mild steel surfaces must be clean, dry and sound. <ul style="list-style-type: none"> <li><b>UNCOATED MILD STEEL:</b> Remove oil, grease and dirt and any other contaminants with <b>PLASCON METALCARE AQUASOLV DEGREASER (GR 1)</b>. Rinse thoroughly with clean water. Remove all rust by coarse sanding, mechanical grinding/wire brushing, etc. Alternatively prepare steel by mechanical wire brushing to Grade ST 3 of ISO 8501-1;2007</li> <li><b>PREVIOUSLY PAINTED MILD STEEL:</b> Remove rust or peeling paint product by wire brushing and sanding. Rinse thoroughly with clean water, repeat if necessary. Allow to dry.</li> </ul>														

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<b>Application</b>	<ul style="list-style-type: none"> <li>Apply by brush, roller or spray.</li> <li>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.</li> </ul>
<b>Caution</b>	<ul style="list-style-type: none"> <li>Not recommended for galvanised steel.</li> <li>Avoid excessively thick coats which will retard through drying.</li> <li>Must be overcoated within 48 hours @ 23 °C to avoid onset of corrosion.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Always keep paint out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li> <li>Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li> <li>Harmful if swallowed. Seek medical attention and do not induce vomiting.</li> <li>Do not smoke while painting.</li> <li>Flammable. Store in a cool dry place away from heat and sparks.</li> <li>Refer to Safety Data Sheet for complete information.</li> </ul>

### **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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