

## PLASCOPRIME 170

PRODUCT CODE: UC 170

### TECHNICAL DATA SHEET

Product Description	An alkyd primer with a high Zinc phosphate content for mild steel.																													
Intended Uses	<ul style="list-style-type: none"><li>An anti-corrosive primer for mild steel.</li><li>Particularly suitable as a primer for structural steel.</li></ul>																													
Features & Benefits	<ul style="list-style-type: none"><li>High Zinc Phosphate content.</li><li>Very good corrosion resistance.</li><li>Suitable for application where a primer with slow drying properties is required.</li></ul>																													
Product Information	Colour	Red Oxide																												
	Appearance	Semi Matt																												
	Volume Solids	53 %																												
	Recommended DFT	Min: 40 µm Max: 50 µm																												
	Recommended WFT	Min: 75,5 µm Max: 94,4 µm																												
	Theoretical Spreading rate	8.48 m²/ ℓ @ 40 um DFT at stated volume solids																												
	VOC	388 g/ ℓ																												
	Flash Point	12 °C																												
Application Details	Mixing	Stir well with a power agitator or flat paddle until completely homogeneous.																												
	Substrate	Suitably prepared mild steel.																												
	Method	<u>Airless spray</u> : Recommended Tip Size: 0.017” – 0.019” Nozzle pressure: 172 bar (2500 p.s.i.) <u>Conventional Spray (Pressure Pot)</u> : Gun : DeVilbiss MBC or J. Air Cap 704 OR 765 Fluid Tip : E <u>Brush</u> : Min 30 µm, Max 40 µm DFT can be achieved <u>Roller</u> : Min 30 µm, Max 40 µm DFT can be achieved Suitable as supplied for application by brush and roller, thin with a minimal amount of mineral turpentine <b>AZH 1</b> if required. For spray application thin with <b>PLASCON UNIVERSAL REDUCER (PUR 1)</b> , thin product to viscosity of 18-20 sec/F4.																												
	Thinning																													
	Cleaning	<b>PLASCON UNIVERSAL REDUCER (PUR 1)</b>																												
	Application Environment	<table><tr><td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr><tr><td>Min.: 10 °C</td><td>Min.: 10 °C</td><td>Min 10%</td></tr><tr><td colspan="3">or 3 °C min. above dew point</td></tr><tr><td>Max.: 40 °C</td><td>Max.: 40 °C</td><td>Max.: 85 %</td></tr></table>				Surface Temperature	Ambient Temperature	Relative Humidity	Min.: 10 °C	Min.: 10 °C	Min 10%	or 3 °C min. 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. Shelf Life: 12 Months Packaging: 5 ℓ and 20 ℓ.																													

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<b>Surface Preparation</b>	<p>The surface to be coated should be clean, dry and free from contamination. All surfaces before painting should be assessed and treated in accordance to ISO 8504 -1:2000 and 8504 -2:2000</p> <p><b>MILD STEEL:</b></p> <ul style="list-style-type: none"> <li>• The surfaces to be over coated must be clean, dry and free from contamination.</li> <li>• Oil and grease should be removed using <b>PLASCON AQUASOLV DEGREASER (GR1)</b> followed by clean water rinses. Soluble chloride content may not exceed 75mg per m<sup>2</sup>.</li> <li>• Dust and debris not to exceed 0, 3% when tested in accordance with SANS test method 769.</li> <li>• Areas of breakdown, damage or weld seams should be prepared to the specified standard and patch primed prior to application of <b>PLASCOPRIME 170</b>.</li> <li>• Preferred surface preparation is abrasive blast clean to SA 2½ of the International standard ISO 8501-1:2007 to achieve an angular blast profile 50 - 75 µm or if abrasive blasting is impossible, mechanically abrade to Grade ST 3 ISO 8501-1:2007 – this is not as effective as abrasive blasting and will reduce the life expectancy of the coating system.</li> <li>• The primer must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be re-blasted to the standard specified above.</li> </ul>
<b>Caution</b>	<ul style="list-style-type: none"> <li>• Ensure product is mixed well and completely homogenous prior to use.</li> <li>• <b>Before over coating PLASCOPRIME 170, ensure that the primer surface is thoroughly clean. Use POLYCELL SUGAR SOAP SOLUTION and abrasive pads if necessary and rinse well with water.</b></li> <li>• Not recommended for water immersion conditions</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>
<b>Shipping Weights</b>	<p>UN Shipping no: 1263 Single pack: 20 ℓ = 25kg, 5 ℓ = 6,25kg</p>

### **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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