

## PLASCOSAFE 18 PRIMER

PRODUCT CODE: EMS 18

### TECHNICAL DATA SHEET

<b>Product Description</b>	A single pack waterborne, anti-corrosive primer for metal.													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>• A good anti-corrosive primer for abrasive blast cleaned steel.</li> <li>• Provides adhesion to galvanised iron.</li> <li>• An excellent barrier coat between incompatible coating systems.</li> </ul>													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>• Anti-corrosive properties</li> <li>• Accepts a wide range of topcoats, both solvent borne and waterborne.</li> <li>• Non-toxic pigmentation.</li> </ul>													
<b>Product Information</b>	Colour	Red Oxide (EMS 18)												
	Appearance	Low Sheen												
	Volume solids	31%												
	Recommended DFT	Min: 50 – 60 µm per coat.												
	Recommended WFT	161 – 193 µm per coat												
	Theoretical Spreading Rate	5.6 m <sup>2</sup> /L at 55 µm DFT.												
	VOC	23 g/L												
<b>Application Details</b>	Mixing	Stir thoroughly with a flat paddle until homogeneous.												
	Method	<p><u>Airless Spray</u>: Tip size 0.015 -0.017” Nozzle pressure 172 Bar (2500 PSI).  <u>Conventional Spray</u>: Gun: De Vilbiss MBS or JGA: Fluid tip E.  <u>Brush</u>: Min 40 µm DFT, Max 50 µm DFT can be achieved  <u>Roller</u>: Min 40 µm, Max 50 µm DFT can be achieved</p>												
	Thinner	Not normally recommended. For conventional spray application thin 5% maximum with water.												
	Cleaner	Water – Clean equipment immediately after use before product dries.												
	Drying time	Touch dry: 1h @ 23 °C Over coating: Water-based topcoats - 8 h @ 23 °C Solvent-based topcoats -16 h @ 23 °C (Max: 48 h)												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temp</th> <th>Ambient Temp</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>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85 %</td> </tr> <tr> <td colspan="3">Or 3 °C min above dew point</td> </tr> </tbody> </table>	Surface Temp	Ambient Temp	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	Max: 40 °C	Max: 40 °C	Max: 85 %	Or 3 °C min above dew point		
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<b>Storage and Packaging</b>	Store away from direct sun, heat and severe cold. Shelf Life: 18 Months Packaging: 5L and 20L													

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<b>Surface Preparation</b>	<p><b>MILD STEEL:</b></p> <ul style="list-style-type: none"> <li>The surfaces to be over coated must be clean, dry, sound and free from contamination.</li> <li>Oil and grease should be removed using <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> followed by clean water rinses.</li> <li>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>Preferred surface preparation is abrasive blast cleaned to Sa 2½ of the International standard ISO 8501-1:2007 to achieve a blast profile 30 - 40 µm or mechanically wire brush to St 3 of the same standard</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> <p><b>GALVANISED IRON:</b></p> <ul style="list-style-type: none"> <li>The surfaces to be overcoated must be clean, dry and free from contamination.</li> <li>Oil and grease should be removed using <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> followed by clean water rinses.</li> <li>Preferred surface preparation is Sweep blast using Garnet Mica to achieve a blast profile of 20 – 30 µm or if sweep blasting is not possible, clean surface area using <b>PLASCON GALVANISED IRON CLEANER (GIC 1)</b>. Rinse thoroughly until a water break free surface is achieved.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>Do not apply at temperatures below 10 °C or during wet weather conditions</li> <li>In cool weather conditions allow additional drying time before overcoating.</li> <li>Not suitable for use on aluminium, Zinalume and Aluzinc surfaces.</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>Apply one or more coats to meet the recommended DFT as specified.</li> </ul>
<b>Shipping Weight</b>	<p>UN Shipping Number 1263</p> <p>Single pack 5L - 6 Kg</p>
<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>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.

**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.

**N.B. TO ORDER:** Quote product name, product code number, packaging and colour.

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