

## PLASCOSAFE 200 SERIES TOP COAT

PRODUCT CODE: SAT 200 Series

### TECHNICAL DATA SHEET

<b>Product Description</b>	A highly durable semi-gloss waterborne acrylic emulsion finishing coat.													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>Tough smooth medium gloss finish.</li> <li>Quick drying, abrasion resistant with superior flexibility.</li> <li>Excellent resistance to weathering.</li> <li>Low odour during application.</li> <li>Complies to Transnet Spec RMS 009</li> </ul>													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>A high-performance waterborne finish rolling stock</li> <li>Suitable for use on appropriately primed mild steel and galvanised steel.</li> </ul>													
<b>Product Information</b>	Appearance Colours Type Volume solids Recommended DFT Recommended WFT Viscosity at 23 °C Theoretical Spreading Rate	Semi-gloss Graphite grey ( <b>SAT 256</b> ), Traffic white ( <b>SAT 258</b> ) made to order Single pack acrylic emulsion 35 – 39 % Min.: 40 µm    Max.: 60 µm per coat Min.:103 µm    Max.: 171 µm per coat 100 – 105 KU 7,4 m <sup>2</sup> /L per coat at 50 µm DFT at stated volume solids												
<b>Application Details</b>	Mixing Method  Thinning Cleaning Drying time  Application Environment	Stir with a flat paddle until completely homogeneous. Airless Spray: Suitable nozzle orifice 13-17 Thou Conventional spray: Suitable nozzle orifice 1 - 1,5 mm; Nozzle pressure 2,75 – 4,13 bar. NOTE: Conventional spray could result in low applied DFT and two coats may be required to obtain specified thickness. Ready for use for air assisted and airless spray application. For conventional spray application thin with water up to 8 % by volume. Water – clean equipment immediately with water after use. Touch dry: 30 min @ 23 °C Over coating: 2 h @ 23 °C Dry to handle: 4 h @ 23 °C  <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 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 3 °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: 5 L (SAT 258) and 20 L (SAT 256)													

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<b>Surface Preparation</b>	<p>All surfaces must be firm, dry and clean, free from oil, grease or any other contaminants.</p> <p><b>MILD STEEL:</b></p> <ul style="list-style-type: none"> <li>Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with fresh water to a water break free surface. Allow to dry.</li> <li>Remove any rust and mill-scale by abrasive blasting to Grade Sa 2 ½ of ISO 8501-1:2007 to a blast profile not exceeding 50 µm. Alternatively, clean with mechanical grinding and/or course sanding. Remove dust.</li> <li>Prime with <b>PLASCOSAFE ANTI CORROSIVE PRIMER (SAT 248)</b> or <b>1K HIGH PERFORMANCE WB PRIMER (SAT 1000)</b></li> </ul> <p><b>GALVANISED IRON:</b></p> <ul style="list-style-type: none"> <li>Clean with <b>PLASCON GALVANISED IRON CLEANER (GIC 1)</b> to a water break-free surface. Rinse thoroughly with fresh water and allow to dry.</li> <li>Prime with <b>PLASCOSAFE ANTI CORROSIVE PRIMER (SAT 248)</b> or <b>(SAT 514)</b> red oxide.</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>Apply by air assisted airless spray or conventional spray to the required DFT.</li> <li>Apply a second coat if necessary.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>Low temperatures and high humidity retard drying.</li> <li>Do not use at air/substrate temperatures below 10 °C.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Keep out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>In case of skin contact, wash with soap and water or a recognised skin cleaner.</li> <li>Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.</li> <li>Harmful if swallowed. Do not induce vomiting. Seek medical attention.</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.

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

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