

## PLASCOSAFE BODYGUARD HEAVY DUTY COATING

PRODUCT CODE: SAT 516,520, 521, 523, 526 & 537

### TECHNICAL DATA SHEET

Product Description	An extremely durable waterbased coating with exceptional flexibility, abrasion resistance and waterproofing properties.														
Intended uses	<ul style="list-style-type: none"><li>A high build coating for railway rolling stock.</li><li>May be over coated by itself, alkyd, acrylic or polyurethane coatings.</li></ul>														
Features & Benefits	<ul style="list-style-type: none"><li>Complies with Specification CSS 183/12.05</li></ul> <p><b>Resistance to: -</b></p> <p><b>Acids:</b> (24 h immersion at 23 °C)</p> <table><tr><td>10 % Hydrochloric acid</td><td>Good</td></tr><tr><td>10 % Sulphuric acid</td><td>Good</td></tr></table> <p><b>Fire:</b> Good</p> <p><b>Abrasion:</b> Excellent</p> <p><b>Impact:</b> Good</p> <p><b>Water:</b> Excellent</p>			10 % Hydrochloric acid	Good	10 % Sulphuric acid	Good								
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Product Information	Appearance Colour  Solids Viscosity at 23 °C S G Recommended DFT Recommended WFT Practical spreading rate VOC	Stipple Black ( <b>SAT 516</b> ), White ( <b>SAT 520</b> ), Red Oxide ( <b>SAT 521</b> ), Graphite Grey ( <b>SAT 523</b> ), Dust Grey ( <b>SAT 537</b> ), NCS Yellow 51070Y20R ( <b>SAT 526</b> ) 50 % by volume (Typical) 350 - 580 grams (Kreb Stormer units - paste paddle) 1,19 (typical) 500 – 1500 µm per coat 1000 – 3000 µm per coat 0.5 m²/L per coat @1000 µm DFT at stated volume solids 10 g/L													
Application Details	Mixing  Method    Thinning Cleaning Drying time    Application Environment	Stir thoroughly with a flat paddle until homogenous before use.  Heavy material spray equipment airless 4 mm head – no thinning recommended  Airless H-gun with 28 to 40 thou tip.  Under body coating gun – thin up to 5 % with water. <b>N.B.</b> Over-thinning may induce mud-cracking.  Water Water Touch dry: 1 h @ 23 °C Over coating: 4 h @ 23 °C	<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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Max.: 40 °C	Max.: 40 °C	Max.: 85 %													
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 20 L														

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<b>Surface Preparation</b>	<p>Ensure surfaces to be coated are correctly prepared and primed and free of contaminants, dust, dirt, oil or grease.</p> <p><b>MILD STEEL:</b></p> <ul style="list-style-type: none"> <li>For best performance the preferred treatment is abrasive blast clean steel surfaces to grade SA 2 ½ of the ISO 8501-1:2007 with a blast profile of 30 – 35 µm. alternatively prepare steel by wire brushing to grade St 3 of the above standards. This treatment, however, is not as effective and results in a shorter maintenance-free life.</li> <li>Prime with <b>PLASCOSAFE ANTI CORROSIVE PRIMER RED OXIDE (SAT 514)</b> or <b>PLASCOSAFE HB ANTI CORROSIVE PRIMER (SAT 248)</b> or <b>1K HIGH PERF WB PRIMER (SAT 1000, 1030)</b>.</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>Apply to required DFT</li> </ul>
<b>Caution</b>	<ul style="list-style-type: none"> <li>Avoid over thinning since it may cause mud-cracking when the coating dries.</li> <li>High humidity and low temperatures will retard drying.</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 all 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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