

## PLASCOTHANE 9:1 INDUSTRIAL POLYURETHANE ENAMEL

PRODUCT CODE: UP Series

### TECHNICAL DATA SHEET

<b>Product Description</b>	<b>PLASCOTHANE POLYURETHANE ENAMEL</b> is a dual pack polyurethane acrylic enamel.	
<b>Intended Uses</b>	Recommended for use on hospital equipment, office furniture, plant and machinery, earthmoving equipment, burglar bars and security gates, framework and cladding, railway rolling stock, etc.	
<b>Features</b>	<ul style="list-style-type: none"> <li>• An attractive smooth gloss finish that is easy to keep clean.</li> <li>• Good exterior durability.</li> <li>• Tough and resistant – good chip and abrasion resistance.</li> <li>• Good chemical resistance (excluding strong acids and alkalis), with good colour retention and good obliteration.</li> <li>• Quick drying - touch dry in less than 30 minutes.</li> </ul>	
<b>Product Information</b>	<p>Appearance</p> <p>Colours</p> <p>Tinting</p> <p>Generic type</p> <p>Solvent type</p> <p>Solids (mixed)</p> <p>Recommended DFT</p> <p>Theoretical spreading rate</p> <p>Viscosity at 23 °C (mixed)</p> <p>Pot life (mixed)</p> <p>Flash Point</p> <p>VOC</p>	<p>High gloss</p> <p>White (UP 1), black (UP 11), silver (UP 12), clear (UP 13) and a range of toners.</p> <p>Tint with <b>UP range</b> toners and/or a max of 5% with <b>PCC PROTECTIVE COATING COLOURANT</b> by volume.</p> <p>Polyurethane acrylic resin</p> <p>Aromatic hydrocarbons, acetates and ester solvents</p> <p>Approx. 40 - 44 % by volume over the range</p> <p>Min: 25 µm, Max: 50 µm</p> <p>14 m<sup>2</sup>/L @ 30 µm</p> <p>75 – 90 s Ford Cup No. 4</p> <p>6 h @ 23 °C</p> <p>23 °C</p> <p>523 g/L - white</p> <p>&lt; 610 g/L - other colours and toners</p>
<b>Application Details</b>	<p>Mixing</p> <p>Recommended primer</p> <p>Method</p> <p>Thinner</p> <p>Cleaning</p> <p>Drying time</p>	<p>Stir base with a flat paddle until homogeneous. Mix in ratio supplied, viz. <b>9 parts BASE: 1 part CATALYST (KAT 518)</b> by volume.</p> <p><b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255) OR EPIWASH CHROMATE FREE PRIMER SERIES (AW1255, AW 1256)</b></p> <p>Airless and conventional spraying.</p> <p>Use only <b>UNIVERSA REDUCER (PUR 1)</b> to required viscosity.</p> <p><b>UNIVERSA REDUCER (PUR 1)</b> or <b>NO. 40 LACQUER THINNER (ILS 1)</b>.</p> <p>Touch dry                      20 min @ 23 °C</p> <p>Overcoating interval      Min: 30 min @ 23 °C, Max: 48 h at 23 °C</p> <p>Dry to handle                4 h @ 23 °C</p> <p>Full cure                        7 days @ 23 °C</p>
<b>Storage and Packaging</b>	<p>Store away from direct sun, heat and severe cold.</p> <p>Packaging:    Base: 4,5 L    Catalyst : <b>(KAT 518)</b> 500 mL</p>	

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<b>Surface Preparation</b>	<p>All surfaces must be clean, sound and dry.</p> <ul style="list-style-type: none"> <li> <b>MILD STEEL</b>            Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with fresh water. To remove rust, mill scale and other contaminants abrasive blast clean to Grade Sa 2 ½ of ISO 8501-1:2007 with a blast profile of 30 – 50 µm. Alternatively wire brush to Grade St 3 of the same standard. This is not as effective and may result in a shorter maintenance-free period. Prime with <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b> or <b>EPIWASH CHROMATE FREE PRIMER SERIES (AW 1255, AW 1256)</b> </li> <li> <b>GALVANISED IRON</b>            Clean with <b>PLASCON GALVANISED IRON CLEANER (GIC 1)</b> to obtain a water break-free surface and rinse with clean water. Prime with <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b> or <b>EPIWASH CHROMATE FREE PRIMER SERIES (AW 1255, AW 1256)</b> </li> <li> <b>ALUMINIUM, STAINLESS STEEL AND OTHER ALLOYS</b>            Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with fresh water. Abrade surfaces with abrasive scouring pads to remove oxidised layers and provide a key. Prime with <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b> or <b>EPIWASH CHROMATE FREE PRIMER SERIES (AW 1255, AW 1256)</b> </li> <li> <b>PREVIOUSLY PAINTED SURFACES (Fully cured and in good condition)</b>            Sand to a matt finish to provide a key.         </li> </ul>
<b>Application</b>	Thin as recommended and apply wet-on-wet coats to achieve the required DFT.
<b>Cautions</b>	<ul style="list-style-type: none"> <li><b>Do not apply PLASCOTHANE POLYURETHANE ENAMEL (UP Series) directly to acrylic lacquers and synthetic alkyd enamels.</b></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><b>CATALYST</b> contains isocyanate – use suitable respirator, particularly during spray application of the mixed material.</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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