

POLYURETHANE ENAMEL ACRYLIC, HIGH GLOSS

PRODUCT CODE: SAT Series

TECHNICAL DATA SHEET

Product Description	POLYURETHANE ENAMEL, ACRYLIC HIGH GLOSS-series are dual pack polyurethane acrylic enamels.	
Intended Uses	<ul style="list-style-type: none"> Recommended for use on railway rolling stock. 	
Features	<ul style="list-style-type: none"> Complies with Metro specification MRS/RS/5 01/11/99. An attractive smooth gloss finish that is easy to keep clean. Good exterior durability. Good chip and abrasion resistance. Good chemical resistance (excluding strong acids and alkalis), with good colour retention and good obliteration. Quick drying 	
Product Information	Appearance Colours Generic type Solvent type Solids Recommended DFT Recommended WFT Theoretical spreading rate Viscosity at 23 °C (mixed) Flash Point Pot life (mixed)	High gloss Graphite Grey (SAT 245), Golden Yellow (SAT 361), White (SAT 363), Polyurethane acrylic resin Aromatic hydrocarbons, acetates and ester solvents 40 - 44 % by volume over the range Min.: 25 µm Max.: 50 µm per coat Min.: 57 µm Max.: 125 µm per coat 14 m ² /ℓ per coat at 30 µm DFT at stated volume solids 60 – 65 KU 23 °C 4 h at 23 °C
Application Details	Mixing Substrate Method Thinning Cleaning Drying time	Stir base with a flat paddle until homogeneous. Mix in ratio supplied, viz. 9 parts of BASE to 1 part of CATALYST (INT 3099) by volume. Well-prepared and primed surfaces. Airless and conventional spraying. For conventional spraying, thin with, POLYURETHANE ACRYLIC THINNER (SAT 354) to a spraying viscosity of 18 -22 seconds at 23 °C in a Ford Cup No. 4. POLYURETHANE ACRYLIC THINNER (SAT 354) or NO.40 LACQUER THINNER (ILS 1). Touch dry 30 min at 23 °C Overcoating interval Min.: 30 min at 23 °C, Max.: 48 h at 23 °C Dry to handle 4 h at 23 °C Full cure 7 days at 23 °C
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: Base: 4,5 L Catalyst: (INT 3099) 500 ML	

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Surface Preparation	<p>All surfaces must be clean, sound and dry.</p> <p>1) MILD STEEL: Degrease with PLASCON AQUASOLV DEGREASER (GR 1) and rinse thoroughly with fresh water. To remove rust, mill scale and other contaminants abrasive blast clean to grade SA 2 ½ of the 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 RUST INHIBITIVE EPOXY PRIMER (SAT 356).</p> <p>2) GALVANISED IRON: Clean with PLASCON GALVANISED IRON CLEANER (GIC 1) to obtain a water break-free surface and rinse with clean water. Prime with RUST INHIBITIVE EPOXY PRIMER (SAT 356).</p> <p>3) ALUMINIUM, STAINLESS STEEL AND OTHER ALLOYS: Degrease with PLASCON AQUASOLV DEGREASER (GR 1) and rinse thoroughly with fresh water. Abrade surfaces with a scouring pad to remove oxidised layers and provide a key. Prime with RUST INHIBITIVE EPOXY PRIMER (SAT 356).</p> <p>4) PREVIOUSLY PAINTED SURFACES (Fully cured and in good condition): Sand to a matt finish to provide a key.</p>
Application	<ul style="list-style-type: none"> Thin as recommended and apply wet-on-wet coats to achieve the required DFT.
Cautions	<ul style="list-style-type: none"> Do not apply POLYURETHANE ACRYLIC, HIGH GLOSS directly to acrylic lacquers and alkyd enamels.
Safety Precautions	<ul style="list-style-type: none"> Always keep paint out of reach of children. Ensure good ventilation during application and drying. If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. Do not smoke while painting. Flammable. Store in a cool dry place away from heat and sparks. Catalyst contains isocyanate – use suitable respirator, particularly during spray application of the mixed material. Refer to Safety Data Sheet for complete information.

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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