

WATERBORNE POLYURETHANE TOP COAT

PRODUCT CODE: SAT 700 Series & SAT 7000 Tint bases

TECHNICAL DATA SHEET

Product Description	Aqueous two pack polyurethane enamel.																					
Intended Uses	<ul style="list-style-type: none">For interior and exterior use.A durable finish for rolling stock.																					
Features & Benefits	<ul style="list-style-type: none">Excellent resistance against weathering and marring.Has low odour during application.Easy incorporation of curing agent component.Good application properties.Stable pot life profile.Good solvent resistance.																					
Product Information	Standard colours	Light grey (SAT 700), graphite grey (SAT 701), traffic white (SAT 709), NCS Red (SAT 715). Colours can also be tinted with INSPIRED COLOUR tints.																				
	Tint bases	Pastel Tint Base (SAT 7001), Deep Tint Base (SAT 7002), Transparent Tint Base (SAT 7003), Yellow Tint Base (SAT 7004) and Red Tint Base (SAT 7005).																				
	Volume solids (mixed)	33 - 43% depending on colour																				
	Recommended DFT	30 – 50 µm																				
	Recommended WFT	70 – 116 µm																				
	Viscosity at 23 °C	75-80 KU depending on colour																				
	Theoretical spreading Rate	10.8 m²/L at 40 µm DFT																				
	Practical spreading rate	The practical spreading rate will vary depending on the surface profile of the substrate, as well as the application technique and tools used.																				
	Pot life (after mixing)	3 h @ 23 °C																				
VOC	70 g/L																					
Application Details	Mixing	Mix 4 parts Base to 1 part of Catalyst (INT 4141) Mix Base thoroughly. Then mix components together by slowly adding the Catalyst to the Base component while stirring (at 1500 R.P.M) with mechanical stirrer. Continue stirring for 2 minutes after all the Catalyst has been added. Allow 10 minutes induction period. Then thin with water to the recommended application viscosity.																				
	Method	<u>Airless Spray</u> (RECOMMENDED): Suitable nozzle orifice: 11 Thou Tip Size: Nozzle pressure 140 - 170 Bar Recommended viscosity: 38-42 Sec/F4 <u>Conventional spray:</u> Suitable nozzle orifice: 1.3 - 1,5 mm, Nozzle pressure: 3 - 4 Bar Recommended viscosity: 30-35 Sec/F4																				
	Thinning	Water. Thin to recommended viscosity (as above)																				
	Cleaning	Water. Equipment can be cleaned with water immediately after use followed by a rinse with water miscible solvent. (E.g. Acetone, alcohol)																				
	Application Environment	<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: 70 %</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: 70 %							
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Storage and Packaging	Do not store below 5 °C or above 30 °C Packaging: Dual pack: 1 L and 5 L
Surface Preparation	STEEL: All surfaces must be dry, clean and free from oil, grease, rust, mill scale or any other contaminants. Recommended Primer: 1K HIGH PERFORMANCE WB PRIMER (SAT 1000) or PLASCOSAFE HB ANTI CORROSIVE PRIMER (SAT 248 Mid Buff).
Cautions	<ul style="list-style-type: none"> • Discard any mixed material left over after pot life has expired. • Low temperatures and high humidity retard drying. • Must not be used at air / substrate temperatures below 13 °C. • 23 °C recommended substrate & ambient temperature.
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. • Contains aliphatic isocyanate • 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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