

NUVOVERN AQUA ENAMEL SERIES

PRODUCT CODE: SAT 600 Series

TECHNICAL DATA SHEET

Product Description	Aqueous two pack polyurethane with high chemical and solvent resistance.																						
Intended Uses	<ul style="list-style-type: none">For interior and exterior use.A durable finish for rolling stock: -Commercial vehicles and trailers, Steelwork where chemical and weathering resistance is required.																						
Features & Benefits	<ul style="list-style-type: none">A tough two pack waterborne polyurethane enamelExcellent resistance against weathering and marringHas low odour during applicationExcellent cleaning propertiesExcellent Chemical resistanceExcellent solvent resistance (spillage)																						
Product Information	Appearance	Gloss																					
	Colours	RAL735 Light grey (SAT 600), RAL7024 Graphite grey (SAT 601), RAL2004 Orange (SAT 603), B49 Golden yellow (SAT 607), RAL9016 Traffic white (SAT 609), Purple (SAT 611), Green (SAT 612), Enamel yellow (SAT 613), G80 Cloud grey (SAT 614), SL085Y90R NCS Red (SAT 615), SL1070Y20R NCS Yellow (SAT 616), S4040G70Y NCS Green (SAT 617)																					
	Volume solids	40 %																					
	Viscosity at 23 °C	85 - 90 KU depending on colour																					
	Recommended DFT	30 – 50 µm per coat																					
	Recommended WFT	75 – 125 µm per coat																					
	Theoretical spreading Rate	10 m²/L at 40 µm DFT per coat at stated volume solids																					
	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)	2 h																					
	VOC	2 g/L																					
Application Details	Mixing Ratio	6 parts Base to1 part Catalyst (INT 6070) by mass.																					
	Method	Mix Base thoroughly. Then mix components together by slowly adding the Catalyst to the Base component while stirring (at 1,500 R.P.M.) with mechanical stirrer. Continue stirring for 5 minutes after all the Catalyst has been added. Allow 5 min induction time, and then thin with water to the application viscosity. Air Assisted Airless Spray/ Airless spray: Suitable nozzle orifice: 0,28 mm - 0,33 mm. Nozzle pressure: 96 – 110 Bar Application viscosity: Airless: 38 - 42 seconds Ford Cup. No.4 Conventional spray: Suitable nozzle orifice:1 – 1,5 mm. Nozzle pressure: 3 – 4 Bar Application viscosity: Conventional: 20 – 25 seconds Ford Cup No. 4 NOTE: Conventional spray could result in low applied DFT and two coats may be required to obtain specified thickness.																					
	Thinning	Water – Thin up to 10 % by volume for air assisted airless application.																					
	Cleaning	Water - Equipment can be cleaned with water immediately after use.																					
	Drying time	<table><tr><td>Temperature</td><td>Touch dry</td><td>Hard dry</td><td>Over coating</td></tr><tr><td>10 °C</td><td>4 h</td><td>34 h</td><td>3 h</td></tr><tr><td>23 °C</td><td>35 min</td><td>2 h</td><td>1h</td></tr><tr><td>32 °C</td><td>25 min</td><td>1h</td><td>45 min</td></tr><tr><td>40 °C</td><td>20 min</td><td>45 min</td><td>40 min</td></tr></table>		Temperature	Touch dry	Hard dry	Over coating	10 °C	4 h	34 h	3 h	23 °C	35 min	2 h	1h	32 °C	25 min	1h	45 min	40 °C	20 min	45 min	40 min
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Storage and Packaging	Do not store below 5 °C or above 35 °C. Packaging: Dual pack: 5 L
Surface Preparation	All surfaces must be dry, clean and free from rust, oil, grease or any other contaminants. STEEL: Prime with PLASCOSAFE HB ANTI CORROSIVE PRIMER (SAT 248) or RUST INHIBITIVE EPOXY PRIMER (SAT 356) or PLASCOSAFE ANTI CORROSIVE PRIMER (SAT 514) or 1K HIGH PERFORMANCE PRIMER (SAT 1000 LT BEIGE, SAT 1030 FRENCH GREY) .
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 10 °C. • 23 °C recommended substrate & ambient temperature.
Safety Precautions	<ul style="list-style-type: none"> • Keep out of reach of children. • Ensure good ventilation during application and drying. • In case of skin contact, wash with soap and water or a recognised skin cleaner. • Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. • Harmful if swallowed. Do not induce vomiting. Seek medical attention. • Refer to Safety Data Sheet for complete information.

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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