

TINT BASES for ALCHEMY TINTING SYSTEM GENERAL INDUSTRIAL HIGH-QUALITY ENAMELS

PRODUCT CODE: SLB 2000, SLB 5000 & QDB 1100

TECHNICAL DATA SHEET

Product Description	Quick drying tint bases to be used in the Alchemy tinting system to produce a range of high-quality industrial gloss enamels for mild steel and related surfaces.	
Product Information	Tint Bases:	Transparent Tint Base (SLB 2000) Transparent Tint Base (SLB 5000) Transparent Tint Base (QDB 1100)
	Viscosity at 23°C	65-70 seconds Ford 4 cup (SLB 2000) 120-130 seconds Ford 4 cup (SLB 5000) 75-80 seconds Ford 4 cup (QDB 1100)
	S G at 23 °C	0,84: (SLB 2000): 0,88: (SLB 5000): 0,88: (QDB 1100)
	Solids	Volume 20,50%, Mass 27,17 (SLB 2000) Volume 42,09%, Mass 37% (SLB5000) Volume 19.14%, Mass 34,66% (QDB 1100)
	Recommended WFT	Min: 120 µm, Max: 200 µm (SLB 2000) per coat Min: 84 µm, Max: 141 µm (SLB 5000) per coat Min: 156 µm, Max: 260 µm (QDB 1100) per coat
	Recommended DFT	Min: 24,6 µm, Max: 41 µm (SLB 2000) Min: 35,40 µm, Max: 59,40 µm (SLB 5000) Min: 29,90 µm, Max: 47,8 µm (QDB 1100)
	Colourants	These colourants are specifically designed for use with the PLASCON ALCHEMY tinting system. ALCHEMY GENERATION II COLOURANTS: Black (IAC 2120), Maroon Oxide (IAC 2123), Phthalo Green (IAC 2125), White (IAC 221), Yellow Oxide (IAC 2222), Mid Chrome (IAC 2226), Red Oxide (IAC 2227), Scarlet (IAC 2228), Bright Red (IAC 2229), Ultramarine Blue (IAC 2230), Violet (IAC 2232), Phthalo Blue (IAC 2321) and Lemon Chrome (IAC 2331)
Tint Bases	<ul style="list-style-type: none"> The tint base containers are under filled to allow for a calculated volume of colourants to be added. The tint bases can be used as is, but the colourants are intermediate products which are not suitable for use by themselves. An optimum quality finished product is only produced once the prescribed quantities of colourants have been mixed with the tint base. When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of; SYNLAC INDUSTRIAL ENAMELS (SL 2000 Range), SYNLAC INDUSTRIAL ENAMELS (SL 5000 Range) and QUICK DRYING ENAMEL (QDE Range) 	
Tinting Procedure	<ul style="list-style-type: none"> Select the required colour and reference no. from the ALCHEMY fandeck and locate the applicable formulation from the tables. Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation. Inject all required colourants, close container and shake on mechanical shaker for 5 minutes. 	

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Storage and Packaging	<p>Store away from direct sun, heat and severe cold.</p> <p>Packaging: SLB 2000: 5 L, 25 L and 200 L</p> <p>SLB 5000: 1 L, 5 L, 25 L and 200 L</p> <p>QDB 1100: 25 L and 200 L</p>
Shipping Weight	<p>SLB 2000: 5 L – 3.735 KG, 25 L – 18.675 KG and 200 L – 166 KG</p> <p>SLB 5000: 1 L – 0.792 KG, 5 L – 3.96 KG, 25 L – 19.8 KG and 200 L – 176 KG</p> <p>QDB 1100: 25 L – 20.445 KG and 200 L – 174 KG</p>
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. • 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.

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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