

PROFESSIONAL GLOSS ENAMEL & TINT BASES

PRODUCT CODE: PSB 800 & TGE Range Tint Bases

TECHNICAL DATA SHEET

Product Description	A good quality alkyd based high gloss enamel.													
Intended Uses	<ul style="list-style-type: none"> As a decorative and protective finish on interior and exterior surfaces of mild steel, timber and masonry. Use on well prepared primed and undercoated surfaces. Suitable for inland and coastal environments. 													
Features & Benefits	<ul style="list-style-type: none"> Superior obliteration Dries to a tough durable finish with good weather resistance. 													
Product Information	Appearance	Gloss												
	Colours	White (PSB 800)												
	Tint Bases	Pastel Tint Base (TGE 1000), Deep Tint Base (TGE 2000), Transparent Tint Base (TGE 3010)												
	Volume solids	32 %												
	Viscosity at 23 °C	70 - 74 KU (approx.)												
	Recommended DFT per coat	25 – 35 µm												
	Recommended WFT	78 – 109 µm												
	Theoretical spreading rate	10.7 m ² /L @ 30 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												
	VOC	367 g/L												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.												
	Method	Brush, roller or spray.												
	Thinning	Not normally necessary to thin for brush and roller application. For spraying thin approx. 10 % MINERAL TURPENTINE (AZH 1)												
	Cleaning	MINERAL TURPENTINE (AZH 1) or POLYCELL BRUSH CLEANER.												
	Drying time	Touch dry: 4 h @ 23 °C Over coating: 16 h @ 23 °C												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <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.: 85 %</td> </tr> </tbody> </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.: 85 %
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Min.: 10 °C	Min.: 10 °C	Min: 10 %												
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Max.: 40 °C	Max.: 40 °C	Max.: 85 %												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 5 L and 20 L													
Tint Bases	<ul style="list-style-type: none"> The tint base containers are under filled to levels which are specific for each tint base to allow for a calculated volume of colourants to be added. The volume indicated on the container is only achieved after the addition of all prescribed colourants as per the formulation. The tint bases and the colourants are unfinished or intermediate products which are not recommended for use by themselves. A finished product is only produced once the prescribed quantities of colourants have been intimately 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 PROFESSIONAL GLOSS ENAMEL (PSB 800), 													



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Tinting Procedure	<ul style="list-style-type: none"> Select the required colour and reference no. from the INSPIRED COLOUR fandeck, other suitable fandecks or colour cards and locate the applicable formulation from the tables. Certain colour choices may require more than two coats to achieve full obliteration (see computer formulations for details in remarks column prior to tinting) 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. <p>UNDER NO CIRCUMSTANCES SHOULD COLOURS TINTED FROM PROFESSIONAL GLOSS ENAMEL (PSB 800) USE ONLY THE PRESCRIBED TINT BASES</p>
Surface Preparation	<p>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> NEW WORK 1.1 <u>Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Creststone), gypsum board, (e.g. Rhinoboard), fibre-cement, unglazed brick:</u> Prime with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700). Apply a full coat to seal surface properly. 1.2 <u>Wood:</u> Seal knots with KNOT SEAL (PK 2). Then prime with PLASCON WOOD PRIMER (UC 2). 1.3 <u>Hardboard:</u> Prime with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700). 1.4 <u>Mild steel:</u> Remove rust. Degrease with AQUASOLV DEGREASER (GR 1) and rinse thoroughly with water. Prime with PLASCOPRIME PRIMER (UC 170) Use PLASCOPRIME 182 LT GREY (UC 182) for structural steelwork 1.5 <u>Galvanised iron:</u> Clean with GALVANISED IRON CLEANER (GIC 1) and rinse thoroughly with water to achieve a water break-free surface. Prime with METALCARE GALVANISED IRON PRIMER (GIP 1). 2. PREVIOUSLY PAINTED SURFACES 2.1 <u>Previously painted surfaces in good condition:</u> Clean paintwork with POLYCELL SUGAR SOAP POWDER CLEANER solution and rinse thoroughly. Sand glossy enamel areas to a matt finish. Prime bare masonry surfaces with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700). 2.2 <u>Previously painted surfaces in poor condition:</u> Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Wash thoroughly with POLYCELL SUGAR SOAP solution. Rinse well with fresh water to remove all traces of the cleaning agents and debris. Ensure substrate is sound, not powdery or friable, prior to coating. Proceed as for new work 3. FILLING: Fill defects with POLYCELL POLYFILLA INTERIOR or POLYCELL POLYFILLA EXTERIOR. Seal POLYFILLA EXTERIOR with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700). Fill wood and fibre-cement with POLYCELL MENDALL 90. 4. UNDERCOAT: To all surfaces prepared and primed as above, apply a coat of PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)
Application	<ul style="list-style-type: none"> PROFESSIONAL GLOSS ENAMEL (PSB 800) is ready for use with brush, roller or spray. For spray application thin approximately 10 % with MINERAL TURPENTINE (AZH 1). Apply two or more coats to achieve complete obliteration. Always maintain a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner or from a natural cut off point to another. Do not attempt touch ups but redo complete panels.
Cautions	<ul style="list-style-type: none"> Not recommended for areas where chemical resistance is required. Heavy applications should be avoided to prevent wrinkling. Stay within the recommended spreading rate To ensure that colours on a project are consistent check that batch numbers and product code correspond. Avoid painting during inclement weather or if temperature is below 10 °C.



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Safety Precautions

- 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.
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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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