



## WATERBASED ENAMEL

TECHNICAL DATA SHEET NO.: **L-114-B**  
DATE: **OCTOBER 2005**

### PRODUCT CODE: **WBE 1, WBE 2, TWE RANGE**

Product Description	A premium quality water based semi gloss enamel formulated with self cross linking emulsion for interior and exterior use.		
Intended Uses	<ul style="list-style-type: none"><li>Used as a decorative and protective finish on interior and exterior mild steel, galvanised steel, timber and masonry.</li><li>Suitable for inland and coastal environments.</li></ul>		
Features	<ul style="list-style-type: none"><li>Dries fast to a tough durable finish with good weather resistance.</li><li>Environmentally friendly</li><li>Non yellowing</li><li>Low odour</li><li>Provides a smooth semi gloss finish.</li></ul>		
Product Information	Appearance	Semi gloss	
	Colour	White, Black and 3 tint bases	
	Generic type	Self Cross Linking Acrylic emulsion	
	Solids	Approx. 44 % by mass; 35 % by volume (typical)	
	S G at 23°C	1,3 kg / ℓ (typical)	
	Recommended DFT per coat	Min.: 25 μm	Max.: 35 μm
	Theoretical spreading rate	10 m²/ℓ at 35μm DFT	
	Typical spreading rate	Please apply appropriate correction factors	
	Viscosity at 23 °C	85-95 KU (typical)	
	Flash point	>65 °C	
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.	
	Substrate	Well prepared, primed and undercoated surfaces.	
	Method	Brush, furpile or mohair roller and can be sprayed as well.	
	Thinning	Not recommended for brush and roller application.	
	Cleaning	Water	
	Application Environment	Surface Temperature	Ambient Temperature
		Min.: 5 °C	Min.: 5 °C
		or 2 °C min. above dew point	
		Max.: 40 °C	Max.: 40 °C
		Max.: 85 %	
	Drying time	Touch dry	30min at 23 °C
		Recoating	4 h at 23 °C
		Dry to handle	4 h at 23 °C
		N.B. Freshly painted windows, cupboard doors and drawers must be allowed to dry for at least 12 hours at 23 °C before closing.	
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 1 ℓ and 5 ℓ .		
Transportation	This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).		

**WATERBASED SEMI GLOSS ENAMEL**

<b>Surface Preparation</b>	<p>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> <li><b>NEW WORK</b> <ol style="list-style-type: none"> <li><b>Cement plaster, concrete, fibre-cement, unglazed brick:</b> Prime with <b>PLASCON PLASTER PRIMER (UC 56)</b> or <b>PLASCON MULTI-SURFACE PRIMER (WUP 1)</b>. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly. <ol style="list-style-type: none"> <li><b>Gypsum plaster (e.g. Rhinolite, Cretestone), gypsum board (e.g. Rhinoboard)</b> prime with <b>PLASCON PLASTER PRIMER (UC 56)</b>.</li> </ol> </li> <li><b>Wood:</b> Sand smooth. Dust off. Seal knots and resinous areas with <b>KNOT SEAL (PK 2)</b>. Prime entire surface with <b>WOOD PRIMER (UC 2)</b>.</li> <li><b>Hardboard:</b> Prime with <b>PLASCON PLASTER PRIMER (UC 56)</b> or <b>PLASCON MULTI-SURFACE PRIMER (WUP 1)</b>.</li> <li><b>Mild steel:</b> Degrease with <b>AQUASOLV DEGREASER (GR 1)</b>. Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding, etc. or <b>RUST REMOVER (RR 1)</b>. Prime general surfaces the same day with <b>PLASCON METAL PRIMER (UC 501)</b> or <b>PLASCON MULTI-SURFACE PRIMER (WUP 1)</b>. use <b>ZINC PHOSPHATE PRIMER RED OXIDE (UC 207)</b> for structural steelwork. <b>N.B.</b> Millscale must be removed by abrasive blasting or mechanical grinding before coating.</li> <li><b>Galvanised steel:</b> Clean with <b>GALVANISED IRON CLEANER (GIC 1)</b> to achieve a water break-free surface. Remove any red rust with scouring pads or sanding back to bright metal. Spot prime areas where rust has been removed with <b>COASTCOTE ETCH PRIMER RED OXIDE (SNK 2)</b> – see Product Data Sheet for application details. Prime the entire surface with <b>GALVANISED IRON METAL PRIMER (GIP 1)</b> or <b>PLASCON MULTI-SURFACE PRIMER (WUP 1)</b>.</li> </ol> </li> <li><b>PREVIOUSLY PAINTED SURFACES</b> <ol style="list-style-type: none"> <li><b>Old paint in good condition:</b> Remove any loose and flaking paint and spot prime bare areas with appropriate primer. Clean paintwork with <b>SUGAR SOAP POWDER CLEANER</b> solution and rinse thoroughly. Sand glossy enamel areas to a matt finish and apply a coat of <b>PLASCON UNIVERSAL UNDERCOAT (UC 1)</b>.</li> <li><b>Old paint in poor condition:</b> Strip completely and proceed as for new work.</li> </ol> </li> <li><b>FILLING</b> <p>Fill defects with <b>POLYCELL READY MIXED CRACK FILLER OR POLYCELL INTERIOR CRACK FILLER</b> or <b>EXTERIOR CRACK FILLER</b> as appropriate and then seal <b>CRACK FILLER</b> with <b>PLASCON PLASTER PRIMER (UC 56)</b>. Fill wood and fibre-cement with <b>POLYCELL READY MIXED CRACK FILLER</b>.</p> </li> </ol>
<b>Application</b>	<ul style="list-style-type: none"> <li><b>WATERBASED ENAMEL</b> is ready for use for brush or roller application.</li> <li>Apply two coats to achieve complete obliteration. <b>NB Light colours may require more than two coats if covering very dark colours, (Stockist will advise).</b></li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>Not recommended for chemical environments.</li> <li>Heavy applications exceeding 200 µm WFT should be avoided to prevent sagging.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Keep out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>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. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.</li> <li>Refer to Material Safety Data Sheet for complete information.</li> </ul>

**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.

**NB: TO ORDER: Quote product name, product code number, packaging and colour.**

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