

# WATER BASED VELVAGLO

PRODUCT CODE: VLW 1 & TVW Tint Bases

TECHNICAL DATA SHEET

<b>Product Description</b>	<ul style="list-style-type: none"> <li>Premium quality satin finish non-drip water based enamel.</li> </ul>													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>Used as a decorative and protective finish on interior and exterior primed woodwork, cement plaster, concrete or metal surfaces.</li> <li>Ideal for furniture, doors and wall surfaces.</li> <li>For interior and exterior application.</li> </ul>													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li><b>AquaTough™</b> a unique polyurethane acrylic hybrid that forms a resilient barrier that is UV, peel and flake resistant.</li> <li>Dries to an attractive satin finish which is completely washable, tough and mar resistant.</li> <li>Unique gel formulation – does not drip during brush application and achieves a higher film build than most water based coatings.</li> <li>No undercoat is required on enamel surfaces sanded to a matt finish.</li> <li>Easy to apply, quick drying and non-hazardous.</li> <li>Environmentally friendly, Low VOC and odour.</li> <li>No added lead.</li> <li>12 year quality guarantee. (Refer to T &amp; C 's on website <a href="http://www.plascon.com">www.plascon.com</a>) .</li> </ul>													
<b>Product Information</b>	Appearance	Satin sheen												
	Colour	White (VLW 1)												
	Tint bases	Pastel (TVW 1000), Deep (TVW 2000) and Transparent (TVW 3000)												
	Volume Solids	34 %												
	Recommended DFT	30 – 40 µm per coat												
	Recommended WFT	88 – 118 µm per coat												
	Theoretical spreading rate	9.7 m <sup>2</sup> /L per coat @ 35µm DFT. This serves as a guide only.												
	Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.												
	TVOC	46-50 g/L for White & Pastel base (tinted) 53-60 g/L for Deep and Transparent bases (tinted)												
<b>Application Details</b>	Mixing	Ready for use by brush or roller. Stirring is not recommended as it will break the gel structure. If stirred allow to stand for 8 hours for gel to recover.												
	Method	Brush, mohair roller and spray.												
	Thinning	Not recommended. Ready for use												
	Cleaning	Water												
	Drying time	Touch dry: 1 h @ 23 °C Over coating: 4 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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<b>Storage &amp; Packaging</b>	Store away from direct sun, heat and severe cold. Packaging: 1 L and 5 L													



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<b>Surface Preparation</b>	<p>Ensure that surfaces are dry, firm, and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> <li>1. <b>NEW WORK</b></li> <li>1.1 <b><u>Cement plaster, concrete, fibre-cement, unglazed brick, Gypsum plaster (e.g. Rhinolite, Cretestone):</u></b> Prime entire area with <b>PLASCON PLASTER PRIMER (UC 56)</b>.</li> <li>1.2 <b><u>Wood:</u></b> Sand smooth with 150 grit paper working in the direction of the grain, dust off. Seal knots with <b>PLASCON WOODCARE KNOT SEAL (PK 2)</b>. Then prime with <b>PLASCON WOOD PRIMER (UC 2)</b>. <b>N.B. WOOD PRIMER</b> may be omitted for interior surfaces.</li> <li>1.3 <b><u>Hardboard:</u></b> Prime with <b>PLASCON PLASTER PRIMER (UC 56)</b>.</li> <li>1.4 <b><u>Mild steel:</u></b> Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with water. Remove any rust by coarse sanding or mechanical wire brushing to a bright metal finish. Prime general surfaces with <b>PLASCON WATERBASED METAL PRIMER (MWP 1)</b>. Use <b>PLASCOPRIME 50 (PP 50)</b> for structural steelwork. <b>N.B.</b> Mill scale must be removed by abrasive blasting or mechanical grinding before coating.</li> <li>1.5 <b><u>Galvanised steel:</u></b> Clean with <b>PLASCON GALVANISED IRON CLEANER (GIC 1)</b> and rinse thoroughly with water to achieve a water break-free surface. Remove any red rust with scouring pads or by sanding back to bright metal. Spot prime areas where rust has been removed with <b>PLASCOSAFE 18 PRIMER (EMS 18)</b>. Prime the entire surface with <b>PLASCON GALVANISED IRON PRIMER (GIP 1)</b> or <b>PLASCOSAFE 18 PRIMER (EMS 18)</b>.</li> <li>2. <b>PREVIOUSLY PAINTED SURFACES</b></li> <li>2.1 <b><u>Previously painted surfaces in good condition:</u></b> Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Clean with <b>POLYCELL SUGAR SOAP POWDER</b> solution to remove all contaminants. Rinse with clean water to remove all traces of <b>SUGAR SOAP</b>. Spot prime bare areas with appropriate primer. Sand glossy enamel surfaces thoroughly to an even matt finish and dust off.</li> <li>2.2 <b><u>Previously painted surfaces in poor condition:</u></b> Completely remove paint by most appropriate means e.g. scraping or coarse sanding. Wash thoroughly with <b>POLYCELL SUGAR SOAP POWDER</b> solution. Rinse with fresh water. Proceed as for <b>new work</b> in point 1 above.</li> <li>2.3 <b><u>Chalky surfaces:</u></b> Scrub surface thoroughly with a <b>POLYCELL SUGAR SOAP</b> solution to remove chalk. Rinse with water, repeat process if required.</li> <li>3. <b>FILLING</b> Fill defects with <b>POLYCELL POLYFILLA MENDALL 90</b>. Spot prime repaired areas with <b>PLASCON PLASTER PRIMER (UC 56)</b>. Fill <b>wood</b> defects with <b>POLYCELL POLYFILLA MENDALL 90</b> and spot prime with <b>PLASCON PLASTER PRIMER (UC 56)</b>.</li> </ol>
<b>Application</b>	<ul style="list-style-type: none"> <li>• <b>WATERBASED VELVAGLO</b> is ready for use and is best applied by brush or mohair roller.</li> <li>• Apply generous full coats so that brush marks flow out to a smooth even coat.</li> <li>• Complete cutting in first, using a two coat application by brush or roller, then proceed painting the entire surface.</li> <li>• 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.</li> <li>• Apply two or more coats to achieve complete obliteration.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>• Stirring will break down the thixotropic gel structure and impair the non-drip properties; however gel will redevelop after approximately 8 hours.</li> <li>• Use only mohair rollers.</li> <li>• To ensure that colours on a project are consistent check that batch numbers are the same.</li> <li>• Not recommended for high moisture areas such as shower cubicles or steam rooms. For these areas, use Solvent- based <b>VELVAGLO (VLO)</b>.</li> <li>• Do not use <b>White WATERBASED VELVAGLO (VLW 1)</b> for tinting colours; only use the prescribed tint bases.</li> </ul>



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<b>Tint Bases</b>	<ul style="list-style-type: none"> <li>The tint base containers are underfilled 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.</li> <li>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 thoroughly mixed with the tint base.</li> <li>When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of <b>WATER BASED VELVAGLO</b>.</li> <li>Only colourants from the <b>PLASCON INSPIRED COLOUR</b> system are permitted for use when tinting.</li> </ul>
<b>Tinting Procedure</b>	<ul style="list-style-type: none"> <li>Select the required colour and reference number from the <b>PLASCON INSPIRED COLOUR</b> system, other suitable systems or colour cards and locate the applicable formulation from the tables.</li> <li>Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting).</li> <li>Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation.</li> <li>Inject all required colourants, close container and shake on mechanical shaker for 5 minutes.</li> <li><b>UNDER NO CIRCUMSTANCES TINT COLOURS FROM WATERBASED VELVAGLO WHITE (VLW 1) - USE ONLY THE PRESCRIBED TINT BASES.</b></li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Always keep paint out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li> <li>Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li> <li>Harmful if swallowed. Seek medical attention and do not induce vomiting.</li> <li>Refer to Safety Data Sheet for complete information.</li> </ul>

### 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.

### KANSAI PLASCON (PTY) LIMITED

10 Frederick Cooper Drive,  
 Fatoria, Krugersdorp  
 South Africa  
 1739.  
 Tel: +27 11 951 4500  
 Fax: +27 800 110 932

**PLASCON ADVISORY SERVICE:** 0860 20 40 60

**EMAIL:** advice@kansaiplascon.co.za

