

## VELVAGLO

### PRODUCT CODE: VLO Range & TVG Tint Bases

#### TECHNICAL DATA SHEET

<b>Product Description</b>	<b>VELVAGLO</b> is an extremely tough premium quality protective and decorative finish for walls and trim work.													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>Used as a decorative and protective finish on interior primed masonry surfaces. It can also be used directly onto hard and soft woods, melamine, mild steel, galvanised steel, aluminium and PVC.</li> <li>Ideal for furniture, doors and wall surfaces in kitchens and bathrooms.</li> </ul>													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li><b>Hero Ingredient:</b> Polytough, unique polyurethane enamel that cross-links to form a resilient protective barrier that makes <b>VELVAGLO</b> heat, steam, chip and stain resistant.</li> <li>Dries to an attractive semi-gloss satin sheen finish which is completely washable, tough and mar resistant.</li> <li>Unique gel formulation - does not drip during brush application and allows higher than normal build per coat.</li> <li>High opacity</li> <li>Direct application on interior hard and soft woods, melamine, mild steel, galvanised steel, aluminium and PVC.</li> <li>No undercoat necessary for masonry surfaces after priming.</li> <li>12 Year Quality Guarantee. (Interior application, refer to terms &amp; conditions at <a href="http://www.plascon.co.za">www.plascon.co.za</a>)</li> </ul>													
<b>Product Information</b>	<p>Appearance Colours</p> <p>Tint Bases</p> <p>Generic type</p> <p>Solids</p> <p>Recommended DFT</p> <p>S G at 23°C</p> <p>Flash Point</p> <p>Theoretical spreading rate</p> <p>Practical spreading rate</p> <p>VOC</p>	<p>Semi-gloss satin sheen</p> <p>White (VLO 1) and standard colours as per colour card.</p> <p>Also available in a wide range of <b>INSPIRED COLOUR</b> tints.</p> <p>Pastel Tint Base (TVG 1000), Deep Tint Base (TVG 2000) and Transparent Tint Base (TVG 3010)</p> <p>Polyurethane alkyd</p> <p>Approx. 63% by mass (typical); 45% by volume</p> <p>Min: 25 µm Max: 40 µm</p> <p>1,24 (typical)</p> <p>38 °C</p> <p>9 m²/ℓ @ 35 µm DFT. This serves as a guide only.</p> <p>The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.</p> <p>White- 435 g/ℓ</p> <p>Pastel &amp; Transparent bases - 409 g/ℓ</p> <p>Deep base – 421 g/ℓ</p>												
<b>Application Details</b>	<p>Mixing</p> <p>Substrate</p> <p>Method</p> <p>Thinning</p> <p>Cleaning</p> <p>Application Environment</p> <p>Drying time</p>	<p>Ready for use by brush or roller. Stirring is not recommended since it will break down the gel structure. If stirred, allow to stand for 8 hours for gel to recover. Suitably prepared and primed surfaces.</p> <p>Brush, mohair roller or spray.</p> <p>Ready for use for brush and mohair roller application.</p> <p>For spray application thin approximately 10 parts <b>VELVAGLO</b> to 1 part <b>SPRAYING THINNER (TH 3)</b> or <b>MINERAL TURPENTINE (AZH 1)</b> by volume.</p> <p><b>NOTE:</b> Thinning will destroy the non drip properties.</p> <p><b>MINERAL TURPENTINE (AZH 1)</b> or <b>POLYCELL BRUSH CLEANER (502205).</b></p> <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 2 °C min. above dew point</td></tr> <tr> <td>Max: 40 °C</td><td>Max: 35 °C</td><td>Max: 85%</td></tr> </tbody> </table> <p>Touch dry 4 h @ 23 °C</p> <p>Overcoating 16 h @ 23 °C</p> <p>Dry to handle 16 h @ 23 °C</p>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	or 2 °C min. above dew point			Max: 40 °C	Max: 35 °C	Max: 85%
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<b>Storage and Packaging</b>	<p>Store away from direct sun, heat and severe cold.</p> <p>Shelf life: 2 years</p> <p>Packaging: 500mℓ, 1ℓ, 2ℓ and 5ℓ</p>													

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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>VELVAGLO (VLO)</b></li> <li><b>Only colourants from the Plascon Inspired colour system are permitted for use when tinting.</b></li> </ul>
<b>Tinting Procedure</b>	<ul style="list-style-type: none"> <li>Select the required colour and reference no. 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 VELVAGLO WHITE (VLO 1) - USE ONLY THE PRESCRIBED TINT BASES</b></li> </ul>
<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, Gypsum plaster (e.g. Rhinolite, Cretestone):</b> Prime with <b>PLASCON PLASTER PRIMER (UC 56)</b> or <b>PLASCON MULTI SURFACE PRIMER (WUP 1)</b> in order to obtain an unbroken barrier coat to seal alkaline surfaces properly.</li> <li><b>Wood:</b> Seal knots with <b>PLASCON WOODCARE KNOT SEAL (PK 2)</b>. Then apply the product.</li> <li><b>Hardboard, PVC, Melamine:</b> No primer required apply direct on the substrate</li> <li><b>Mild steel:</b> Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding or with <b>PLASCON RUST REMOVER (RR 1)</b>. Apply direct onto the structural steelwork. <b>N.B.</b> Mill scale must be removed by abrasive blasting or mechanical grinding before coating.</li> <li><b>Galvanised steel:</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 sanding back to bright metal.</li> <li><b>Aluminium:</b> Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with water. Dry surface before coating.</li> </ol> </li> <li><b>PREVIOUSLY PAINTED SURFACES</b> <ol style="list-style-type: none"> <li><b>Previously painted surfaces in good condition:</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 exposed cement plaster, concrete, fibre-cement, unglazed brick, Gypsum plaster with <b>PLASCON PLASTER PRIMER (UC 56)</b> or <b>PLASCON MULTI SURFACE PRIMER (WUP 1)</b> in order to obtain an unbroken barrier coat to seal alkaline surfaces properly. Sand glossy enamel surfaces thoroughly to an even matt finish, dust off .</li> <li><b>Previously painted surfaces in poor condition:</b> Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with <b>REMOVAL ALL PURPOSE COATING REMOVER (RRA 220)</b>. Wash thoroughly with <b>POLYCELL SUGAR SOAP POWDER</b> solution. Rinse with fresh water. Proceed as for new work.</li> <li><b>Chalky surfaces:</b> Remove as much of the chalky surface as possible. Seal with <b>PLASCON BONDING LIQUID (CVI 14)</b> and allow to dry for 16 hrs. Then apply <b>VELVAGLO WHITE (VLO 1)</b>.</li> </ol> </li> <li><b>FILLING:</b> Fill defects with <b>POLYCELL POLYFILLA MENDALL 90</b>, <b>POLYFILLA INTERIOR</b> or <b>POLYFILLA EXTERIOR</b> as appropriate. Seal <b>POLYFILLA EXTERIOR</b> with <b>PLASCON PLASTER PRIMER (UC 56)</b>. Fill wood with <b>POLYCELL POLYFILLA MENDALL 90</b> and seal with <b>PLASCON PLASTER PRIMER (UC 56)</b>.</li> </ol>
<b>Application</b>	<ul style="list-style-type: none"> <li><b>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>Apply one or more coats to achieve complete obliteration.</li> <li>For spray application thin as recommended.</li> </ul>

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<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>When thinned for spraying, the gel will not recover completely.</li> <li>Use only mohair rollers.</li> <li><b>VELVAGLO</b> chalks if applied to surfaces that are exposed to direct sunlight</li> <li>To ensure that colours on a project are consistent check that batch numbers are the same.</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>Do not smoke while painting.</li> <li>Flammable. Store in a cool dry place away from heat and sparks.</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.

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