

## GLATEX 8 POLYURETHANE ENAMEL

PRODUCT CODE: PL Range

### TECHNICAL DATA SHEET

<b>Product Description</b>	A highly durable two pack aliphatic polyurethane enamel.													
<b>Intended Uses</b>	Can be used as a high-quality finish on boats, bar counters, chemical plants, food factories, laboratories, etc. or any other surfaces where resistance to solvent, mild acids, alkalis and abrasion is important.													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>High gloss finish with excellent non-yellowing characteristics, gloss retention, toughness and durability.</li> <li>It has very good chemical resistance properties and is normally used in a system over <b>AQUANOVA PRIMER (WHP 1)</b>.</li> </ul>													
<b>Product Information</b>	Appearance Colours Generic type Volume Solids Recommended DFT Recommended WFT Viscosity @ 23 °C Pot life (mixed) Theoretical spreading rate Practical spreading rate VOC	High gloss White (PL 17), Clear gloss (PL 7) and Clear matt (PL 127) Aliphatic polyurethane resins Approx. 36 % Min: 25 µm, Max: 35 µm Min: 69 µm, Max: 97 µm 65 KU (typical) 6 h @ 23 °C Do not exceed pot life (see cautions) 12 m²/L per coat @ 30 µm DFT. This serves as a guide only. The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used. 365 g/L for White, 437 g/L for Clear gloss, 490 g/L for Clear matt												
<b>Application Details</b>	Mixing Method Thinner Cleaning Substrate Drying time Application Environment	Stir base with a flat paddle until homogeneous. Then empty the entire content of the catalyst container into the base container and stir until thoroughly mixed. Mix in ratio as supplied, i.e. <b>3 parts of BASE to 1 part of CATALYST</b> by volume. Brush or spray. Thinning not required for brush application. For spraying, thin with minimum amount of <b>UNIVERSAL REDUCER (PUR 1)</b> to achieve optimum atomisation. <b>UNIVERSAL REDUCER (PUR 1)</b> Well prepared primed and undercoated surfaces. Touch dry: 4 h @ 23 °C Dry to handle: 16 h @ 23 °C Over coating: Min: 16 h @ 23 °C, Max: 48 h @ 23 °C. If this time is exceeded, ensure that surface is thoroughly clean and then abrade with 220 grit paper to provide a key before over coating. <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.: 35 °C</td><td>Max.: 35 °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.: 35 °C	Max.: 35 °C	Max.: 85%
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<b>Storage and Packaging</b>	Store away from direct sun, heat and severe cold. Packaging: 1 L & 5 L													

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<b>Surface Preparation</b>	<p>All surfaces must be clean, dry, and free from oil, grease or any other contaminants.</p> <ol style="list-style-type: none"> <li><b>MILD STEEL</b> All surfaces to be painted should be thoroughly degreased using <b>AQUASOLV DEGREASER (GR 1)</b> followed by fresh water rinses. <b>Mill Scale:</b> Abrasive blast clean to Grade Sa 2 ½. Of ISO 8501-1:2007 (bright metal) with a blast profile not exceeding 20-30 µm using Garnet Mica. <b>Rusted Mild Steel:</b> Mechanical wire brush to Grade St 3 of the same standard (bright metal), this is not as effective and may result in a shorter maintenance free period. Apply 1 coat of <b>AQUANOVA PRIMER (WHP 1)</b> followed by 1 coat of <b>GLATEX 8 UNDERCOAT (PL 2)</b>.</li> <li><b>GALVANISED STEEL</b> Clean with <b>METALCARE GALVANISED IRON CLEANER (GIC 1)</b> to achieve a water break-free surface and rinse thoroughly with water. Apply one coat of <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b></li> <li><b>ALUMINIUM</b> Degrease with <b>AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with water. Abrade with 220 grit sandpaper to provide a key and dust off. Apply one coat of <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b></li> <li><b>FIBRE-GLASS</b> Remove oil/wax with <b>LACQUER THINNER (ILS 1)</b>. Sandpaper to matt surface with 220 grit paper and wipe down again with <b>LACQUER THINNER</b>. Apply one coat of <b>EPIWASH STRONTIUM CHROMATE PRIMER (AW 255)</b></li> <li><b>WOOD</b> Must be clean and well sanded. For a pigmented enamel finish, apply 1 coat of <b>PLASCOGUARD 40 (PEX 40/PEH 40)</b>. For a clear finish no undercoat is required.</li> <li><b>CEMENT OR CONCRETE WALLS</b> Ensure that the surface is completely dry, firm, and free from dirt and grease. Apply 1 coat of <b>PLASCON CONCRETE FLOOR PREP (FCS 1)</b> when clear topcoat is applied (<b>PL 7 &amp; PL 127</b>). Apply <b>PLASCON PLASCOTUFF GEHOPON (GW 7)</b> when white topcoat (<b>PL 17</b>) is applied.</li> <li><b>CONCRETE FLOORS</b> Remove oil and grease with <b>AQUASOLV DEGREASER (GR 1)</b>. High speed diamond grind to remove laitance. Vacuum to remove dust.</li> </ol>
<b>Application</b>	<ul style="list-style-type: none"> <li>Ready for use for application by brush.</li> <li>Thin as recommended for spray application.</li> <li>For a clear finish on wood thin 1<sup>st</sup> coat of <b>GLATEX 8 CLEAR (PL 7)</b> 5% by volume with <b>POLYURETHANE ACRYLIC THINNER (AW 260)</b> then topcoat with <b>PL 7 or PL 127</b> thinned 3% with <b>POLYURETHANE ACRYLIC THINNER (AW 260)</b>.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>Ensure that recommended mixing ratio is adhered to (3:1 by volume)</li> <li>Discard any mixed material left over from the previous day.</li> <li>Cautions if pot-life is exceeded but still workable: <ul style="list-style-type: none"> <li>Delamination of the coating may occur due to insufficient chemical bond at the coating-substrate interface.</li> <li>Seediness of the coating may result due to grains of polymerised material within the mixed product.</li> <li>Possible poor flow and gloss due to increased viscosity of the mixed product.</li> <li>Possible poor chemical resistance.</li> <li>Possible wrinkling of subsequent coats</li> </ul> </li> <li>Use only the recommended thinner.</li> <li>Always keep equipment free of water.</li> <li><b>CATALYST</b> reacts readily with moisture (material can gel). <b>Do not</b> expose to high humidity.</li> <li>Keep containers tightly sealed when not in use.</li> <li>Do not use <b>GLATEX 8 CLEAR MATT (PL 127)</b> as a sealer on cementitious or brick surfaces as the coating could turn white in patches.</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>

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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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