

# PROFESSIONAL BRILLIANT WHITE GLOSS ENAMEL

PRODUCT CODE: PSB 1000

TECHNICAL DATA SHEET

| <b>Product Description</b>     | A high-quality alkyd based high gloss enamel.   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|--------------------------------|---|---|--|---------------------|---------------------|-------------------|-------------|-------------|-----------|------------------------------|--|--|-------------|-------------|------------|
| <b>Intended Uses</b>           | Used as a decorative and protective finish on interior and exterior mild steel, galvanised steel, timber and masonry.   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
| <b>Features &amp; Benefits</b> | <ul style="list-style-type: none"> <li>Dries to a tough durable finish with good weather resistance.</li> <li>Provides a smooth high gloss finish.</li> </ul>   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
| <b>Product Information</b>     | Appearance  | High gloss  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Colours   | White   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Volume Solids   | 49 % by volume  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Viscosity at 23 °C  | 68 - 72 KU (approx.)  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Recommended DFT   | 25 - 35 µm  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Recommended WFT   | 51 – 71 µm  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Theoretical spreading rate  | 16.3 m <sup>2</sup> /L @ 30 µm 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.   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | VOC   | 380 g/L   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
| <b>Application Details</b>     | 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 or roller application. For Spray Application Thin approx. 10 % with <b>MINERAL TURPENTINE (AZH 1)</b> or <b>POLYCELL BRUSH CLEANER (502205)</b>  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Cleaning  | <b>MINERAL TURPENTINE (AZH 1)</b> or <b>POLYCELL BRUSH CLEANER (502205)</b>   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | Drying time   | Touch dry: 4 h @ 23 °C<br>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 % |
| 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 %  |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
| <b>Storage and Packaging</b>   | Store away from direct sun, heat and severe cold.<br>Packaging: 20 L  |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
| <b>Surface Preparation</b>     | Ensure that surfaces are dry, sound, free from dust, dirt, grease and oil before painting   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1. <b>NEW WORK:</b>   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1.1 <b><u>Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Cretestone), gypsum board, (e.g. Rhinoboard), fibre-cement and unglazed brick:</u></b><br>Prime with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b> . Apply a full coat to seal surface properly. |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1.2 <b><u>Wood:</u></b><br>Seal knots with <b>KNOT SEAL (PK 2)</b> . Then prime with <b>PLASCON WOOD PRIMER (UC 2)</b>  |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1.3 <b><u>Hardboard:</u></b><br>Prime with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b> .   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1.4 <b><u>Mild steel:</u></b><br>Remove rust. Degrease with <b>AQUASOLV DEGREASER (GR 1)</b> and rinse thoroughly with water. Prime with <b>ZINC PHOSPHATE PRIMER (UC 170)</b> . Use <b>PLASCOPRIME 182 ZINC PHOPHATE PRIMER (UC 182)</b> for structural steelwork.           |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |
|                                | 1.5 <b><u>Galvanised iron:</u></b><br>Clean with <b>GALVANISED IRON CLEANER (GIC 1)</b> and rinse thoroughly with water to achieve a water break-free surface. Prime with <b>METALCARE GALVANISED IRON PRIMER (GIP 1)</b> .   |   |  |                     |                     |                   |             |             |           |                              |  |  |             |             |            |



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|                                      |  |
|--------------------------------------|--|
| <b>Surface Preparation Continued</b> | <p>2 <b>PREVIOUSLY PAINTED SURFACES:</b></p> <p>2.1 <b><i>Previously painted surfaces in good condition:</i></b><br/>Remove any loose and flaking paint by scraping and sanding. Clean with <b>POLYCELL SUGAR SOAP POWDER CLEANER</b> solution to remove contaminants and rinse thoroughly with clean water. Spot prime bare areas with the appropriate primer. Sand glossy enamel areas to a matt finish apply a coat of <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b>. Prime with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b>.</p> <p>2.2 <b><i>Previously painted surfaces in poor condition:</i></b><br/>Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Wash thoroughly with <b>POLYCELL SUGAR SOAP</b> 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.</p> <p>3 <b>FILLING:</b><br/>Fill defects with <b>POLYCELL POLYFILLA INTERIOR</b> or <b>POLYCELL POLYFILLA EXTERIOR</b>. Seal <b>POLYFILLA EXT/INT</b> with <b>PLASTER PRIMER (PP 700)</b>. Fill wood and fibre-cement with <b>POLYCELL MENDALL 90</b>.</p> <p>4 <b>UNDERCOAT:</b><br/>Apply a coat of <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b> to all alkyd enamels which have been cleaned with sugar soap and sanded to a matt finish.</p> |
| <b>Application</b>                   | <ul style="list-style-type: none"> <li>• Apply two or more coats to achieve complete obliteration.</li> <li>• For spray application thin approximately 10 % with <b>MINERAL TURPENTINE (AZH 1)</b>.</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> </ul>   |
| <b>Cautions</b>                      | <ul style="list-style-type: none"> <li>• Not recommended for areas where chemical resistance is required.</li> <li>• Heavy applications (exceeding 35 µm DFT) should be avoided to prevent wrinkling.</li> <li>• Avoid painting during inclement weather or if temperature is below 10 °C.</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.

**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: T O ORDER: Quote product name, product code number, packaging and colour.**

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