

## PROFESSIONAL SUPERIOR MATT

PRODUCT CODE: PEM 950 & TPM 1000 Tint Base

### TECHNICAL DATA SHEET

<b>Product Description</b>	A superior quality, Low VOC, matt acrylic paint for interior and exterior walls.														
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>For application to suitably primed new cement plaster walls, fibre-board, ceiling board and wood.</li> <li>For repaint work on suitably prepared substrates.</li> <li>Interior and exterior surfaces.</li> </ul>														
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>Silicone Enhanced Acrylic Technology (SEAT™) for improved water resistance and dirt repellence.</li> <li>Mould resistant.</li> <li>Durable Matt finish</li> <li>Low VOC</li> <li>Low odour.</li> <li>Easy to apply by brush or roller.</li> <li>Quick drying – 2 coats can be applied in one day.</li> </ul>														
<b>Product Information</b>	Appearance	Matt													
	Colours	White (PEM 950)													
	Tint Bases	Pastel (TPM 1000)													
	Generic type	Acrylic emulsion													
	Solids	Approx. 50% by mass; 38% by volume													
	Viscosity at 23 °C	Approx. 100 KU (typical)													
	S G	1,30 kg/ℓ (typical for white)													
	Calculated max VOC	<16g/L (before and after tint)													
	Theoretical spreading rate	8-10 m <sup>2</sup> /L (typical per coat) at 40 µm DFT. This serves as a guide only.													
	Practical spreading rate	Practical spreading rate will vary depending on the porosity and profile of the substrate, as well as, the application technique and tools used.													
	Flash Point	Non flammable													
<b>Application Details</b>	Mixing	Stir thoroughly with a flat paddle until homogeneous													
	Substrate	Thoroughly cleaned, primed concrete, cement plaster, brickwork, building boards, ceiling boards and suitably primed wood, metal, fibre-cement and gypsum plaster													
	Method	Brush or roller													
	Thinning	Ready for use no thinning required													
	Cleaning	Water													
	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 2 °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 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85%
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	Drying time	Touch dry 30 min at 23 °C Over coating if required 2 Hrs at 23 °C													
<b>Storage and Packaging</b>	Store indoors, away from direct sun, heat (max 40 °C) and temperatures lower than 4 °C Packaging: 5 ℓ and 20 ℓ														
<b>Tint Bases</b>	<ul style="list-style-type: none"> <li>The tint base containers are under filled to levels which are specific for the 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 base and the colourants are unfinished 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>PROFESSIONAL SUPERIOR MATT</b>.</li> </ul>														

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<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> fan deck, other suitable fan decks 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>Note: <b>UNDER NO CIRCUMSTANCES TINT COLOURS FROM PROFESSIONAL SUPERIOR MATT WHITE - USE ONLY THE PRESCRIBED TINT BASE</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 and porous brickwork:</b> Remove any loose particles and laitance by most suitable means and paint directly <b>NB:</b> Soft under bound, friable and highly porous surfaces must be restored to a sound condition with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b>.</li> <li><b>Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork stone work:</b> Apply one coat of <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b>. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then seal these areas with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b>.</li> <li><b>Fibre cement board: prime with BONDING LIQUID (CV1 14)</b></li> <li><b>Wood:</b> Sand to a smooth finish and dust off. Seal knots and resinous areas with <b>KNOT SEAL (PK 2)</b> Prime with <b>PROFESSIONAL WOOD PRIMER (PP 800)</b></li> <li><b>Mild Steel:</b> Degrease with <b>AQUASOLV DEGREASER (GR 1)</b>. Rinse thoroughly with water. Remove any rust by course sanding, mechanical grinding etc. or by using <b>REMOVAL RUST REMOVER &amp; CONCRETE ETCHER (RCC 120)</b>. Prime general surfaces the same day with <b>METALCARE MILD STEEL PRIMER (UC 501)</b> or <b>PLASCOSAFE 18 PRIMER (EMS 18)</b> followed by <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b></li> <li><b>Galvanised steel:</b> Clean with <b>GALVANISED IRON CLEANER (GIC 1)</b> to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with <b>PROFESSIONAL GALVANISED IRON PRIMER (PP 1000)</b></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. Spot prime bare areas with appropriate primer. Clean down with <b>POLYCELL SUGAR SOAP POWDER CLEANER</b> solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply one coat of <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b>.</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 COATINGS REMOVER (RRA 220)</b> Wash thoroughly with <b>POLYCELL SUGAR SOAP LIQUID CLEANER</b>. 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.</li> </ol> </li> <li><b>FILLING:</b> Fill all imperfections with <b>POLYCELL MENDALL 90</b> and spot prime filled areas with <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b></li> </ol>
<b>Application</b>	<ul style="list-style-type: none"> <li>Complete cutting in first. Then, using a two coat application by brush or roller, proceed painting the entire surface.</li> <li>Allow the first coat to dry at least 2 hours before application of the second coat.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>Avoid painting during extreme weather conditions or if temperature is below 5 °C.</li> <li>Avoid application to very cold surfaces or to hot surfaces as this may cause cracking or bubbling.</li> <li>Bare gypsum, Rhinolite, Cretestone and Rhinoboard should not be exposed to water as this will damage the substrate.</li> </ul>

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### Safety Precautions

- Always keep paint out of reach of children.
  - Ensure good ventilation during application and drying.
  - If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
  - Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
  - Harmful if swallowed. Seek medical attention and do not induce vomiting.
  - Refer to Material Safety Data Sheet for complete information.
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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: T O ORDER:** Quote product name, product code number, packaging and colour.

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