

# PROFESSIONAL SUPER MATT

PRODUCT CODE: PEM 900 & TSA Tint Bases

TECHNICAL DATA SHEET

Product Description	Good quality acrylic emulsion paint.														
Intended Uses	Suitable for interior and exterior suitably primed plaster, concrete, porous brickwork, various types of building boards, wood, metal, fibre-cement and gypsum plaster.														
Features & Benefits	<ul style="list-style-type: none"><li>Dries to a matt finish with good wash-ability.</li><li>Quick drying with high opacity.</li><li>Excellent interior and exterior durability and low odour.</li></ul>														
Product Information	Appearance	Smooth matt													
	Colour	White (PEM 900)													
	Tint Bases	Pastel Tint Base (TSA 1010), Deep Tint Base (TSA 2000), Transparent Tint Base (TSA 3010)													
	Generic Type	Modified acrylic emulsion													
	Volume Solids	34 % (typical for white)													
	Viscosity at 23 °C	90 – 100 KU													
	Recommended DFT	25 – 35 µm													
	Recommended WFT	74 – 103 µm													
	Theoretical spreading rate	11 m²/L at 30 µm DFT													
	Practical spreading rate	Practical spreading rate will vary depending on profile of the substrate as well as the application technique and tools used.													
	VOC	<5 g/L for White and Pastel base (tinted) <16 g/L for Deep and Transparent bases (tinted)													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.													
	Method	Brush, roller or airless spray.													
	Thinning	Ready for use													
	Cleaning	Water													
	Drying time	Touch dry: 30 mins @ 23 °C Over coating: 1 h @ 23 °C													
	Application Environment	<table><tr><td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr><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></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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Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 5 L and 20 L														
Tint Bases	<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 intimately 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 SUPER MATT (PEM 900)</b>,</li><li><b>Only colourants from the Plascon Inspired colour system are permitted for use when tinting.</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>INSPIRED COLOUR</b> fandeck, other suitable fandecks 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 remarks 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 SHOULD COLOURS BE TINTED FROM PROFESSIONAL SUPER MATT (PEM 900) - 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><u>Cement plaster, concrete and porous brickwork:</u></b> Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks. Apply one coat of <b>PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)</b>.</li> <li><b><u>Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork stone work:</u></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><u>Fibre cement board:</u></b> prime with <b>BONDING LIQUID (CV1 14)</b></li> <li><b><u>Wood:</u></b> Sand to a smooth finish and dust off. Seal knots and resinous areas with <b>KNOT SEAL (PK 2)</b> Prime with <b>PLASCON WOOD PRIMER (UC 2)</b></li> <li><b><u>Mild Steel:</u></b> Degrease with <b>AQUASOLV DEGREASER (GR 1)</b>. Rinse thoroughly with water. Remove any rust by course sanding, mechanical grinding etc. Prime general surfaces the same day with <b>PLASCOPRIME 170 PRIMER (UC 170)</b> followed by <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b></li> <li><b><u>Galvanised steel:</u></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>PLASCON GALVANISED IRON PRIMER (GIP 1)</b></li> </ol> </li> <li><b>PREVIOUSLY PAINTED SURFACES</b> <ol style="list-style-type: none"> <li><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 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. Spot prime bare areas with appropriate primer. Sand glossy enamel surfaces to a matt finish and apply one coat of <b>PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</b>.</li> <li><b><u>Previously painted surfaces in poor condition:</u></b> Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Wash thoroughly with <b>POLYCELL SUGAR SOAP</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. Proceed as for NEW WORK</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>Apply two or more coats to new suitably primed surfaces to achieve complete obliteration.</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>Caution</b>	<ul style="list-style-type: none"> <li>Surfaces must be primed as per surface preparation above</li> <li>Thinning effects the properties of the product</li> <li>If applied over paintable but flexible sealants (typical with cornices and other joints) cracking of the coating may occur. Conduct a small test to ensure compatibility</li> <li>Avoid painting during inclement weather or if temperature is below 10 °C.</li> </ul>

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### Safety precautions

- Keep out of reach of children.
  - Ensure good ventilation during application and drying.
  - In case of skin contact, wash with soap and water or a recognised skin cleaner.
  - Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.
  - Harmful if swallowed. Do not induce vomiting. Seek medical attention.
  - Refer to 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: TO ORDER:** Quote product name, product code number, packaging and colour.

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