

PROFESSIONAL SUPERIOR MATT

PRODUCT CODE: PEM 950 & TPM Tint Bases

TECHNICAL DATA SHEET

Product Description	A superior quality, low VOC, matt acrylic paint.														
Intended Uses	<ul style="list-style-type: none"> For application to suitably primed new cement plaster walls, fibre-board, ceiling board and wood. For repaint work on suitably prepared substrates. Interior and exterior surfaces. 														
Features & Benefits	<ul style="list-style-type: none"> Silicone Enhanced Acrylic Technology (SEAT™) for improved water resistance and dirt repellence. Mould resistant. Durable matt finish Low VOC Low odour. Easy to apply by brush or roller. Quick drying 														
Product Information	Appearance	Matt													
	Colours	White (PEM 950)													
	Tint Bases	Pastel (TPM 1000), Deep (TPM 2000) & Transparent (TPM 3000)													
	Generic type	Acrylic emulsion													
	Volume solids	38 %													
	Viscosity at 23 °C	Approx. 100 KU (typical)													
	Recommended DFT	25 – 35 µm													
	Recommended WFT	66 – 92 µm													
	Theoretical spreading rate	12.7 m ² /L (typical per coat) at 30 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.													
	TVOC	<16 g/ L for White and tint bases (tinted)													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous													
	Method	Brush or roller													
	Thinning	Ready for use no thinning required													
	Cleaning	Water													
	Drying time	Touch dry: 30 mins @ 23 °C Over coating: 2 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 %
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Storage and Packaging	Store indoors, away from direct sun, heat and severe cold. Packaging: Tint Bases: 5 L and 20 L White: 20 L														
Tint Bases	<ul style="list-style-type: none"> 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. 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. When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of PROFESSIONAL SUPERIOR MATT. 														

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Tinting Procedure	<ul style="list-style-type: none"> Select the required colour and reference no. from the PLASCON INSPIRED COLOUR fan deck, other suitable fan decks or colour cards and locate the applicable formulation from the tables. Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting). Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation. Inject all required colourants, close container and shake on mechanical shaker for 5 minutes. Note: UNDER NO CIRCUMSTANCES TINT COLOURS FROM PROFESSIONAL SUPERIOR MATT WHITE - USE ONLY THE PRESCRIBED TINT BASE
Surface Preparation	<p>Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.</p> <p>1 NEW WORK:</p> <p>1.1 <u>Cement plaster, concrete and porous brickwork:</u> Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks. Apply one coat of PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).</p> <p>1.2 <u>Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork stone work:</u> Apply one coat of PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700). If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then seal these areas with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).</p> <p>1.3. <u>Fibre cement board:</u> prime with BONDING LIQUID (CV1 14).</p> <p>1.4 <u>Wood:</u> Sand to a smooth finish and dust off. Seal knots and resinous areas with KNOT SEAL (PK 2) Prime with PLASCON WOOD PRIMER (UC 2)</p> <p>1.5 <u>Mild Steel:</u> Degrease with AQUASOLV DEGREASER (GR 1). Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding etc. Prime general surfaces the same day with PLASCOPRIME PRIMER (UC 170) or PLASCOSAFE 18 PRIMER (EMS 18).</p> <p>1.6 <u>Galvanised iron:</u> Clean with GALVANISED IRON CLEANER (GIC 1) to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with METALCARE GALVANISED IRON PRIMER (GIP 1) or PLASCOSAFE 18 PRIMER (EMS 18).</p> <p>2 PREVIOUSLY PAINTED SURFACES:</p> <p>2.1 <u>Previously painted surfaces in good condition:</u> Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Clean with POLYCELL SUGAR SOAP solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Alternatively, rinse 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 PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800).</p> <p>2.2 <u>Previously painted surfaces in poor condition:</u> Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Wash thoroughly with POLYCELL SUGAR SOAP. Rinse well with clean 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. FILLING: Fill all imperfections with POLYCELL MENDALL 90, sand smooth after 6 hours. Spot prime filled areas with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).</p>
Application	<ul style="list-style-type: none"> Apply two or more coats to suitably primed surfaces to achieve complete obliteration. Allow at least 2 hours drying time between coats. 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.
Cautions	<ul style="list-style-type: none"> Avoid painting during extreme weather conditions or if temperature is below 10 °C. Avoid application to very cold surfaces or to hot surfaces as this may cause cracking or bubbling. Bare gypsum, Rhinolite, Cretestone and Rhino board should not be exposed to water as this will damage the substrate.

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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 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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