

PROFESSIONAL SUPERIOR SATIN

PRODUCT CODE: PEM 1100 & THS Tint Bases

TECHNICAL DATA SHEET

Product Description	Durable acrylic emulsion paint.														
Intended Uses	Suitable for interior and exterior correctly primed new plaster, concrete, porous brickwork, wood, metal, fibre-board and various types of building boards, wood, metal and fibre-board.														
Features & Benefits	<ul style="list-style-type: none"> • A high sheen finish for superior wash ability and stain resistance. • Quick drying, non-yellowing. • UV resistant • Ease of application • Good hiding 														
Product Information	Appearance	Sheen													
	Colour	White (PEM 1100)													
	Tint Bases	Pastel Tint Base (THS 1000)													
	Volume solids	38 %													
	Viscosity at 23 °C	110-115 KU (approx.) µm													
	Recommended DFT	25 - 35 µm													
	Recommended WFT	66 – 92 µm													
	Theoretical spreading rate	12.7 m ² /L @ 30 µm DFT													
	Practical spreading rate	Practical spreading rate will vary depending on the porosity of the substrate, as well as, the application technique and tools used.													
	TVOC	<5 g/L for White and Pastel base (tinted)													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.													
	Method	Brush, roller or airless spray.													
	Thinning	No thinning, ready for use													
	Cleaning	Water													
	Drying time	Touch dry: 30 mins @ 23 °C Over coating: 1 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 away from direct sun, heat and severe cold. Packaging: 20 L														
Tint Bases	<ul style="list-style-type: none"> • 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. • 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 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 SATIN WHITE (PEM 1100) • Only colourants from the Plascon Inspired colour system are permitted for use when tinting. 														

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Tinting Procedure	<ul style="list-style-type: none"> Select the required colour and reference no. from the INSPIRED COLOUR fandeck, other suitable fandecks 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 remarks 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 SHOULD COLOURS BE TINTED FROM SUPERIOR SATIN WHITE (PEM 1100)-USE ONLY THE PRESCRIBED TINT BASES
Surface Preparation	<p>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> NEW WORK <ol style="list-style-type: none"> Cement plaster, concrete and porous brickwork: Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks. Apply one coat of PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700) or BONDING LIQUID (CV1 14). Gypsum plaster (e.g. Rhinolite, Crestestone), brickwork stone work: 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). Fibre cement board: Prime with BONDING LIQUID (CV1 14) Wood: 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) Mild Steel: Degrease with AQUASOLV DEGREASER (GR 1). Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding etc. Prime surfaces the same day with PLASCON PLASCOPRIME 170 (UC 170) or PLASCOSAFE 18 PRIMER (EMS 18). Galvanised iron: Clean with GALVANISED IRON CLEANER (GIC 1) to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with PLASCON GALVANISED IRON PRIMER (GIP 1) or PLASCOSAFE 18 PRIMER (EMS 18). PREVIOUSLY PAINTED SURFACES <ol style="list-style-type: none"> Previously painted surfaces in good condition: 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). Previously painted surfaces in poor condition: Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Wash thoroughly with POLYCELL SUGAR SOAP 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. FILLING Fill all imperfections with POLYCELL MENDALL 90 and spot prime filled areas with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).
Application	<ul style="list-style-type: none"> Apply two or more coats to suitably primed surfaces to achieve complete obliteration. 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"> Do not thin, thinning effects the properties of the product NB the tint base is alkali resistant but certain tinted colours may be susceptible to alkali burn. Avoid painting during inclement weather or if temperature is below 10 °C.

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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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