



PROFESSIONAL SUPER MATT & TINT BASES

PRODUCT CODE: PEM 900 & TSA Range Tint Bases

TECHNICAL DATA SHEET NO: T-10

DATE: NOVEMBER 2009

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	Good quality acrylic emulsion paint for interior and exterior use.														
Intended Uses	<ul style="list-style-type: none"> Suitable for suitably primed plaster, concrete, porous brickwork and various types of building boards. 														
Features	<ul style="list-style-type: none"> White dries to a matt finish and colours to a sheen, all with good washability. Quick drying with high opacity. Excellent interior and exterior durability and low odour. 														
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),Yellow Tint Base (TSA 5010)													
	Generic Type	Modified acrylic emulsion													
	Solids	Approx. 52% by mass; 34% by volume (typical for white)													
	S G at 23°C	1,50 kg/l (typical for white)													
	Recommended DFT	Per Coat Min: 25 µm	Max: 35 µm												
	Theoretical spreading rate	11 m ² /l at 30 µm DFT													
	Practical spreading rate	6 m ² /l at 30 µm DFT													
	Viscosity at 23 °C	90 – 100 KU													
	Flash point	Non Flammable													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.													
	Method	Brush, roller or airless spray.													
	Substrate	Thoroughly cleaned, un-primed or primed concrete, cement plaster, brickwork, building boards and suitably primed wood, metal and fibre-cement and gypsum plaster.													
	Thinning	Ready for use													
	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: 5 °C</td> <td>Min: 5 °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: 5 °C	Min: 5 °C	Min: 10%	or 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85%
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Min: 5 °C	Min: 5 °C	Min: 10%													
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Max: 40 °C	Max: 40 °C	Max: 85%													
	Drying time	Touch dry	30 min at 23 °C												
		Dry to handle	1 h at 23 °C												
		Recoating	1 h at 23 °C												
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 intimately 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 SUPER MATT (PEM 900), Only colourants from the Plascon Inspired colour system are permitted for use when tinting. 														
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: Nominal: 5 l and 20 l														



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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 MUST COLOURS BE TINTED FROM PROFESSIONAL SUPER MATT (PEM 900)-USE ONLY THE PRESCRIBED TINT BASES
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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: Remove any loose particles and laitance by most suitable means and paint directly NB: Soft underbound, friable and highly porous surfaces must be restored to a sound condition with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).Gypsum plaster (e.g. Rhinolite, Creststone), 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 PROFESSIONAL WOOD PRIMER (PP 800)Mild Steel: Degrease with AQUASOLV DEGREASER (GR 1). Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding etc. or RUST REMOVER (RR 1). Prime general surfaces the same day with PLASCON METAL PRIMER (UC 501) or PLASCOSAFE (EMS 18) followed by PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)Galvanised steel: Clean with GALVANISED IRON CLEANER (GIC 1) to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with PROFESSIONAL GALVANISED IRON PRIMER (PP 1000)PREVIOUSLY PAINTED SURFACES<ol style="list-style-type: none">Previously painted surfaces in sound condition: 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 POLYCELL SUGAR SOAP POWDER CLEANER 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 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 with REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220) Wash thoroughly with POLYCELL SUGAR SOAP LIQUID CLEANER. 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.FILLING Fill all imperfections with POLYCELL MENDALL 90 and spot prime filled areas with PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).
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Application	<ul style="list-style-type: none">• Apply two or three coats to new suitably primed surfaces so as to achieve complete obliteration.
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Cautions	<ul style="list-style-type: none">• Do not apply to bare metal surfaces, metal surfaces must be primed as per surface preparation above• Thinning effects the properties of the product
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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 Material Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in all 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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