

PROFESSIONAL SUPER MATT WHITE & TINT BASES

PRODUCT CODE: PEM 900 & TSA Tint Bases

TECHNICAL DATA SHEET

| Product Description | Good quality acrylic emulsion paint. | | | | | | | | | | | | | | |
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| 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"> • Dries to a matt finish with good wash-ability. • 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 | | | | | | | | | | | | | |
| | Volume Solids | 34% (typical for white) | | | | | | | | | | | | | |
| | Viscosity at 23 °C | 90 – 100 KU | | | | | | | | | | | | | |
| | Recommended DFT | Min: 25 µm, Max: 35 µm | | | | | | | | | | | | | |
| | Recommended WFT | 74 – 103 µm | | | | | | | | | | | | | |
| | Theoretical spreading rate | 11 m ² /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 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: 35 °C</td> <td>Max: 35 °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: 35 °C | Max: 35 °C | Max: 85% |
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| Max: 35 °C | Max: 35 °C | Max: 85% | | | | | | | | | | | | | |
| Storage and Packaging | Store away from direct sun, heat and severe cold. Packaging: 5L and 20L | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | |

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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 |
| 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 week. 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 Fibre cement board: prime with BONDING LIQUID (CV1 14)</p> <p>1.4 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)</p> <p>1.5 Mild Steel: Degrease with AQUASOLV DEGREASER (GR 1). Rinse thoroughly with water. Remove any rust by course sanding, mechanical grinding etc. Prime general surfaces the same day with PLASCOPRIME 170 PRIMER (UC 170) followed by PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800)</p> <p>1.6 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 PLASCON GALVANISED IRON PRIMER (GIP 1)</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 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. 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 with REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220) Wash thoroughly with POLYCELL SUGAR SOAP. 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</p> <p>3. FILLING Fill all imperfections with POLYCELL MENDALL 90 and 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 new suitably primed surfaces so as to achieve complete obliteration. |
| Caution | <ul style="list-style-type: none"> Surfaces must be primed as per surface preparation above Thinning effects the properties of the product 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 |

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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.

KANSAI PLASCON (PTY) LIMITED

10 Frederick Cooper Drive,
Factoria, Krugersdorp
South Africa
1739.

Tel: +27 11 951 4500

Fax: +27 800 110 932

PLASCON ADVISORY SERVICE: 0860 20 40 60

EMAIL: advice@kansaiplascon.co.za