



**Barloworld**  
Plascon South Africa

## PROFESSIONAL DENSE ACRYLIC

**TECHNICAL DATA SHEET NO.:**

**L-44-H**

**DATE:**

**OCTOBER 2004**

**PRODUCT CODE: PEM 800**

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

**Product Description**

A medium quality modified acrylic emulsion paint for interior and exterior use.

**Intended Uses**

- A matt finish with good durability ideal for walls and ceilings.
- Suitable for application to suitably prepared new plaster, concrete, porous brickwork and various types of building boards.
- Also as a finishing coat on appropriately primed and undercoated wood, metal, etc.

**Product Information**

Appearance	Matt
Colours	White.
Generic type	Acrylic emulsion
Solids	Approx. 52 % by mass; 33 % by volume
S G at 23 °C	1,5 kg / ℓ (typical)
Recommended DFT	Min.: 20 μm Max.: 35 μm
Theoretical spreading rate	13.2 m <sup>2</sup> /ℓ at 25 μm DFT
Typical spreading rate	Please apply appropriate correction factors
Viscosity at 23 °C	115 KU (typical)
Flash point	>65°C

**Application Details**

Mixing	Stir thoroughly with a flat paddle until homogeneous.		
Method	Brush, roller or airless spray.		
Thinning	<b>Water</b>		
Cleaning	Water		
Substrate	Thoroughly cleaned, unprimed or primed concrete, plaster, brickwork, building boards and suitably primed wood, metal and fibre-board.		
Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity
	Min.: 5 °C or 2 °C min. above dew point	Min.: 5 °C	-
	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	

**Storage and Packaging**

Store away from direct sun, heat and severe cold.

Packaging: 5 ℓ and 20 ℓ

**Transportation**

This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).

PROFESSIONAL DENSE ACRYLIC MATT

Surface Preparation	<ul style="list-style-type: none"><li>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.</li></ul> <ol style="list-style-type: none"><li><b>NEW WORK</b><ul style="list-style-type: none"><li><b>Cement plaster, concrete:</b> Remove any loose particles and laitance by most suitable means. <b>N.B.</b> Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with <b>PROFESSIONAL PLASTER PRIMER (PP 700)</b> or by replastering - refer to Plascon Technical Services Department.</li><li><b>Gypsum plaster (e.g. Rhinolite, Cretestone) brickwork:</b> Apply one coat of <b>PROFESSIONAL PLASTER PRIMER (PP 700)</b>. If a gypsum plaster (e.g. Rhinolite or Cretestone) has been used as the joint skimming filler on gypsum board or dry wall partitioning, then seal these areas with <b>PROFESSIONAL PLASTER PRIMER (PP 700)</b>.</li></ul></li><li><b>PREVIOUSLY PAINTED SURFACES</b><ul style="list-style-type: none"><li><b>Previously painted surfaces in sound condition:</b> 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 <b>POLYCELL SUGAR SOAP POWDER CLEANER</b> solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of <b>SUGAR SOAP</b>. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and then apply one coat of <b>PROFESSIONAL UNIVERSAL UNDERCOAT (PU 1000)</b>.</li><li><b>Previously painted surfaces in poor condition:</b> Completely remove paint by most appropriate means, e.g. scraping, coarse sanding or stripping with <b>STRIPCLEAN SUPER PAINT STRIPPER (PR 17)</b> or <b>POLYCELL PAINT STRIPPER FAST PENETRATING PAINT REMOVER</b>. Wash thoroughly with <b>POLYCELL SUGAR SOAP POWDER CLEANER</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.</li></ul></li><li><b>FILLING</b> Fill all imperfections with <b>POLYCELL MENDALL 90</b> and spot prime filled areas with <b>PROFESSIONAL PLASTER PRIMER (PP 700)</b>.</li></ol>
Recommended Primer	<ul style="list-style-type: none"><li><b>Concrete/Plaster:</b> <b>PROFESSIONAL PLASTERS PRIMER (PP 700)</b> as required.</li><li><b>Fibre-cement:</b> <b>PROFESSIONAL TIMESAVER (PP 900)</b>.</li><li><b>Mild steel:</b> <b>PLASCON METAL PRIMER (UC 501)</b>.</li><li><b>Galvanised steel:</b> <b>PROFESSIONAL GALVANISED IRON PRIMER (PP 1000)</b>.</li><li><b>Wood:</b> <b>PROFESSIONAL WOOD PRIMER (PP 800)</b>.</li></ul>
Application	<ul style="list-style-type: none"><li>Apply two or three coats to new surfaces so as to achieve complete obliteration.</li><li>For non-porous surfaces apply without thinning.</li><li>For normal porous surfaces, thin first coat only 10 parts paint to 1 part water.</li><li>For highly porous surfaces, thin first coat 5 parts paint to 1 part water.</li></ul>
Cautions	<ul style="list-style-type: none"><li>Do not apply to bare metal surfaces.</li><li>Avoid painting during inclement weather or if temperature is below 5 °C.</li><li>To ensure that colours on a project are consistent check that batch numbers correspond.</li></ul>
Safety Precautions	<ul style="list-style-type: none"><li>Keep out of reach of children.</li><li>Ensure good ventilation during application and drying.</li><li>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. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.</li><li>Refer to Material Safety Data Sheet for complete information.</li></ul>

**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.  
**N.B.:** 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.

<b>NB: TO ORDER: Quote product name, product code number, packaging and colour.</b>			
<b>BARLOWORLD PLASCON SOUTH AFRICA (PTY) LIMITED</b>			
<b>CAPE TOWN:</b>	<b>DURBAN:</b>	<b>MOGALE CITY</b>	<b>PORT ELIZABETH:</b>
P O Box 42	Private Bag X16	<b>(KRUGERSDORP):</b>	P O Box 1594
Eppindust 7475	Mobeni 4060	Private Bag X4010	Port Elizabeth 6000
Tel: (021) 505-2400	Tel: (031) 451-3200	Kenmare 1745	Tel: (041) 401-1400
Fax: (021) 534-3791	Fax: (031) 451-3411	Tel: (011) 951-4500	Fax: (041) 434-606
		Fax: (011) 955-4136	