



PROFESSIONAL SUPER ACRYLIC

TECHNICAL DATA SHEET NO.: L-42-H  
DATE: OCTOBER 2004

PRODUCT CODE: PEM 900 and TSA-range

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	Superior quality acrylic emulsion paint for interior and exterior use.		
Intended Uses	<ul style="list-style-type: none"><li>Suitable for application to primed new cement plaster, concrete, porous brickwork and various types of building boards (for old and new surfaces).</li><li>May also be applied to suitably primed wood, metals, fibre-cement and gypsum plaster.</li></ul>		
Features	<ul style="list-style-type: none"><li>Good interior and exterior durability and low odour.</li><li>Easy to clean with good scrubability.</li><li>Superior obliteration and excellent spreadability.</li></ul>		
Product Information	Appearance	White : Smooth matt	
	Generic type	Modified acrylic emulsion	
	Solids	approx. 57 % by mass; 39 % by volume (typical for white)	
	S G at 23 °C	1,41 kg / ℓ (typical for white)	
	Recommended DFT	Min.: 20 µm	Max.: 35 µm
	Theoretical spreading rate	15.6 m²/ ℓ at 25 µm DFT	
	Practical spreading rate	Apply appropriate loss factors	
	Viscosity at 23 °C	Approx. 90 KU	
	Flash point	>65°C	
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.	
	Method	Brush, roller or airless spray.	
	Substrate	Thoroughly cleaned, unprimed or primed concrete, cement plaster, brickwork, building boards and suitably primed wood, metal, fibre-cement and gypsum plaster.	
	Thinning	Normally not required.	
	Cleaning	Water	
	Application Environment	Surface Temperature	Ambient Temperature
		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		

Surface  
Preparation

- Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.
- 1. NEW WORK
  - 1.1 Cement plaster, concrete, porous brickwork: Remove any loose particles and laitance by most suitable means and paint directly. N.B. Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with PROFESSIONAL PLASTER PRIMER (PP 700).
  - 1.2 Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork, stonework: Apply one coat of PROFESSIONAL PLASTER PRIMER (PP 700). If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with PROFESSIONAL PLASTER PRIMER (PP 700).
  - 1.3 Fibre-cement board: Prime with PLASCON MULTI-SURFACE PRIMER (WUP 1)
  - 1.4 Wood: Sand to smooth finish. Dust off. Seal knots and resinous areas with KNOT SEAL (PK 2). Prime with PROFESSIONALWOOD PRIMER (PP 800).
  - 1.5 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) - use ZINC PHOSPHATE PRIMER RED OXIDE (UC 207) for structural steelwork.
  - 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 GALVANISED IRON PRIMER (Professional) (PP 1000).

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	2.	<b>PREVIOUSLY PAINTED SURFACES</b>	
	2.1	<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 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>POLYCELL SUGAR SOAP</b> . Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply a coat of <b>PROFESSIONAL UNIVERSAL UNDERCOAT (PU 800)</b> .	
	2.2	<b>Previously painted surfaces in poor condition:</b> Completely remove paint by most appropriate means and treat as for new work.	
	3.	<b>FILLING</b> Fill all imperfections with <b>POLYCELL MENDALL 90 ALL PURPOSE ADHESIVE FILLER</b> or the appropriate <b>POLYCELL POLYFILLA CRACK FILLER</b> . Use <b>POLYCELL MENDALL 90</b> for wood.	
<b>Application</b>	•	Apply two or three coats to new surfaces to achieve complete obliteration.	
<b>Cautions</b>	•	Metal surfaces <b>must</b> be primed as per <b>Surface Preparation</b> above.	
	•	Avoid painting during inclement weather or if temperature is below 5 °C.	
	•	<b>Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remarks column prior to tinting).</b>	
		To ensure that colours on a project are consistent check that batch numbers are the same.	
<b>Safety Precautions</b>	•	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. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.	
	•	Refer to Material Safety Data Sheet for complete information.	
<b>Transportation</b>		This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).	

**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.

**NB: TO ORDER: Quote product name, product code number, packaging and colour.**

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