



Barloworld
Plascon South Africa

SUPER UNIVERSAL ENAMEL

TECHNICAL DATA SHEET NO.: A-19-N

DATE:

SEPTEMBER 2005

PRODUCT CODE: NY 1 / G-range

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	A high quality alkyd based high gloss enamel for interior and exterior use.		
Intended Uses	<ul style="list-style-type: none">Used as a decorative and protective finish on interior and exterior mild steel, galvanised steel, timber and masonry.Suitable for inland and coastal environments.		
Features	<ul style="list-style-type: none">Dries to a tough durable finish with good weather resistance.Provides a smooth high gloss finish.		
Product Information	Appearance	High gloss	
	Colours	White (NY 1) and a range of colours (G-range) as per colour card. Also available in a very wide range of Colour Expressions tints.	
	Generic type	Alkyd resin	
	Solids	Approx. 65 % by mass; 49 % by volume (typical for White)	
	S G at 23 °C	1,1 kg/ℓ (typical for White))	
	Recommended DFT	Min.: 25 µm	Max.: 35 µm
	Theoretical spreading rate	14 m ² /ℓ at 35 µm DFT	
	Typical spreading rate	Please apply appropriate correction factors	
	Viscosity at 23 °C	68 - 72 KU (typical)	
	Flash Point	>38 °C	
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.	
	Substrate	Well prepared primed and undercoated surfaces.	
	Method	Brush, roller or spray.	
	Thinning	Not normally necessary to thin for brush and roller application. For spraying thin approx. 10 parts ENAMEL to 1 part SPRAYING THINNER (TH 3) or MINERAL TURPENTINE (AZH 1) by volume.	
	Cleaning	MINERAL TURPENTINE (AZH 1) or POLYCELL BRUSH CLEANER GREASE AND PAINT REMOVER.	
Application Environment		Surface Temperature	Ambient Temperature
		Min.: 5 °C	Min.: 5 °C
		or 2 °C min. above dew point	
		Max.: 40 °C	Max.: 40 °C
		Max.: 85 %	
Drying time		Touch dry	4 h at 23 °C
		Recoating	16 h at 23 °C
		Dry to handle	16 h at 23 °C
Storage and Packaging	Store away from direct sun, heat and severe cold.		
	Packaging:	500 m ℓ, 1 ℓ and 5 ℓ (20 ℓ - white only).	

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- 1.1 **NEW WORK**
Cement plaster, concrete, fibre-cement, unglazed brick: Prime with **PLASCON PLASTER PRIMER (UC 56)** or **PLASCON MULTI-SURFACE PRIMER (WUP 1)**. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly.
- 1.1a **Gypsum plaster (e.g. Rhinolite, Crestone), gypsum board (e.g. Rhinoboard)** Prime with **PLASCON PLASTER PRIMER (UC 56)**.
- 1.2 **Wood:** Sand smooth. Seal knots with **KNOT SEAL (PK 2)**. Then prime with **WOOD PRIMER (UC 2)**.
- 1.3 **Hardboard:** Prime with **PLASCON PLASTER PRIMER (UC 56)**.
- 1.4 **Mild steel:** Degrease with **AQUASOLV DEGREASER (GR 1)** and rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding or with **RUST REMOVER (RR 1)**. Prime general surfaces with **PLASCON METAL PRIMER (UC 501)**. Use **ZINC PHOSPHATE PRIMER RED OXIDE (UC 207)** for structural steelwork. **N.B.:** Millscale must be removed by abrasive blasting or mechanical grinding before coating.
- 1.5 **Galvanised steel:** Clean with **GALVANISED IRON CLEANER (GIC 1)** and rinse thoroughly with water to achieve a water break-free surface. Remove any red rust with scouring pads or sanding back to bright metal. Spot prime areas where rust has been removed with **COASTCOTE ETCH PRIMER RED OXIDE (SNK 2)** – see Product Data Sheet for application details. Prime the entire surface with **GALVANISED IRON PRIMER (GIP 1)**.
2. **PREVIOUSLY PAINTED SURFACES**
- 2.1 **Old paint in good condition:** Remove any loose and flaking paint, clean and spot prime with the appropriate primer. Clean paintwork with **POLYCELL SUGAR SOAP** solution and rinse thoroughly. Sand glossy enamel areas to a matt finish. Prime masonry surfaces containing emulsion paint with **PLASCON PLASTER PRIMER (UC 56)**.
- 2.2 **Old paint in poor condition:** Strip completely and proceed as for new work.
3. **FILLING:** Fill defects with **POLYCELL MENDALL 90 ALL PURPOSE ADHESIVE FILLER, POLYFILLA INTERIOR** or **EXTERIOR CRACK FILLER** as appropriate. Seal **POLYFILLA EXTERIOR** with **PLASCON PLASTER PRIMER (UC56)**. Fill wood and fibre-cement with **POLYCELL MENDALL 90**.
4. **UNDERCOAT:** To all surfaces prepared and primed as above, apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**.

Application	<ul style="list-style-type: none"> • SUPER UNIVERSAL ENAMEL is ready for use for brush or roller application. • For spray application thin as recommended. • Apply one or more coats to achieve complete obliteration.
Cautions	<ul style="list-style-type: none"> • Not recommended for chemical environments. • Heavy applications exceeding 100 µm WFT should be avoided to prevent wrinkling. • To ensure that colours on a project are consistent check that batch numbers are the same.
Safety Precautions	<ul style="list-style-type: none"> • Always keep paint out of reach of children. • Ensure good ventilation during application and drying. • If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. • Do not smoke while painting. • Flammable. Store in a cool dry place away from heat and sparks. <p>Refer to Material Safety Data Sheet for complete information.</p>
Transportation	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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