



Barloworld
Plascon South Africa

GLATEX 8 POLYURETHANE ENAMEL

TECHNICAL DATA SHEET NO.:

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PRODUCT CODE:	PL-range	THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS			
Product Description	<ul style="list-style-type: none">A highly durable two pack aliphatic polyurethane enamel.				
Intended Uses	<ul style="list-style-type: none">GLATEX 8 POLYURETHANE ENAMEL can be used as a high quality finish on boats, chemical plant, food factories, laboratories, etc. or any other surfaces where resistance to solvent, mild acids, alkalis and abrasion is important.				
Features	<ul style="list-style-type: none">High gloss finish with excellent non-yellowing characteristics, gloss retention, toughness and durability.It has very good chemical resistance properties and is normally used in a system over GLATEX 8 PRIMER and UNDERCOAT.				
Product Information	Appearance	High gloss			
	Colours	White, clear and a limited range of colours			
	Generic type	Aliphatic polyurethane resins			
	Solids	Approx. 36 % by volume			
	S G at 23 °C	1,34 kg/ℓ (mixed) (typical)			
	Recommended DFT	Min.: 25 µm	Max.: 35 µm		
	Theoretical spreading rate	12 m²/ ℓ at 30 µm DFT			
	Viscosity at 23 °C	65 KU (typical)			
	Flash Point	42 °C			
	Pot life (mixed)	4 h min. at 23 °C			
Application Details	Substrate	Well prepared primed and undercoated surfaces.			
	Mixing	Stir base with a flat paddle until homogeneous. Then empty the entire content of the hardener container into the base container and stir until thoroughly mixed. Mix in ratio as supplied, viz. 3 BASE: 1 HARDENER (KAT 515) by volume.			
	Method	Brush or spray.			
	Thinner	GLATEX 8 THINNER (PT 1) - Thinning not normally required for brush application. For spraying, thin GLATEX 8 COLOUR with minimum amount of thinner to achieve optimum atomisation.			
	Cleaning	GLATEX 8 THINNER (PT 1)			
	Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity	
		Min.: 5 °C	Min.: 5 °C	-	
		or 2 °C min. above dew point			
		Max.: 40 °C	Max.: 35 °C	Max.: 85 %	
	Drying time	Touch dry	4 h at 23 °C		
		Recoating	Min.: 16 h at 23 °C	- If this time is exceeded, ensure that surface is thoroughly clean and then abrade with 220 grit paper to provide a key before recoating	
			Max.: 48 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 ml and 1 ℓ (5 ℓ - White and Clear only).			

GLATEX 8 POLYURETHANE ENAMEL

Surface Preparation	<p>All surfaces must be clean, dry, and free from oil, grease or any other contaminants.</p> <ul style="list-style-type: none">MILD STEEL All surfaces to be painted should be thoroughly degreased using AQUASOLV DEGREASER (GR 1) followed by fresh water rinses. Abrasive blast clean to Grade Sa 2 ½ of the ISO 8501-1:1988 with a blast profile not exceeding 50 µm or prepare steel mechanically so that the surface has a pronounced metallic sheen (Grade St3). Mechanical cleaning is not as effective as abrasive blasting and results in a shorter maintenance-free life. Apply 1 coat of GLATEX 8 METAL PRIMER (PL 3) followed by 1 coat of GLATEX 8 UNDERCOAT (PL 2).GALVANISED STEEL Clean with GALVANISED IRON CLEANER (GIC 1) to achieve water break-free surface and rinse thoroughly with water. Abrade lightly with 400 grit paper and dust off. Then apply GLATEX 8 METAL PRIMER (PL 3) followed by GLATEX 8 UNDERCOAT (PL 2).ALUMINIUM Degrease with AQUASOLV DEGREASER (GR 1) and rinse thoroughly with water. Abrade with 220 grit sandpaper to provide a key and dust off. Then apply GLATEX 8 METAL PRIMER (PL 3) followed by GLATEX 8 UNDERCOAT (PL 2).FIBRE-GLASS Remove oil / wax with NO. 40 LACQUER THINNER (ILS 1). Sandpaper to matt surface with 220 grit paper and wipe down again with LACQUER THINNER. Apply GLATEX 8 UNDERCOAT (PL 2).WOOD Must be clean and well sanded. For a pigmented enamel finish, apply 1 coat of GLATEX 8 UNDERCOAT (PL 2). For a clear finish no undercoat is required.CEMENT OR CONCRETE Ensure that the surface is completely dry, firm, and free from dirt and grease. Then apply 1 coat of GLATEX 8 UNDERCOAT (PL 2).
Application	<ul style="list-style-type: none">Suitable as supplied for application by brush.Thin as recommended for spray application.For a clear finish on wood thin 1st coat of GLATEX 8 CLEAR (PL 7 / PL 127) 4: 1 by volume with GLATEX 8 THINNER (PT 1).
Cautions	<ul style="list-style-type: none">Ensure that recommended mixing ratio is adhered to.Discard any mixed material left over from the previous day.Use only the recommended thinner.Keep equipment free of water at all times.HARDENER reacts readily with moisture. Do not expose to high humidity. Keep containers tightly sealed when not in use.
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.HARDENER contains isocyanate – use suitable respirator, particularly during spray application of the mixed material.Refer to Material Safety Data Sheet for complete information.
Transportation	Paint. UN No.:1263 Packing group: III Hazard class: 3.3

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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