

GENERAL FEATURES:

HIGH PERFORMANCE DURABLE TWO PACK ACRYLIC POLYURETHANE FINISH
 OUTSTANDING GLOSS
 EXCELLENT DURABILITY
 RECOATABLE WITH MINIMUM SURFACE PREPARATION
 SUPERIOR OPACITY

PRINCIPAL USES:

ATMOSPHERIC CHEMICAL AND MARINE SERVICE WHERE GLOSS AND COLOUR RETENTION, HARDNESS AND ABRASION RESISTANCE IS REQUIRED.

RESISTANCE PROPERTIES:

Heat: Up to 120°C dry.
Abrasion: Excellent
Water: Very good. Satisfactory for intermittent immersion
Solvent: Good to splash and spillage of common alcohols hydrocarbons and ketones.
Chemical: Good for splash spillage of most alkalis. Acid can cause reaction with lead pigments.
Weathering: Excellent gloss and colour retention.
Toxicity: Some colours may contain lead pigments, therefore refer label for lead warning. Mixed paint contains isocyanates.

COLOURS:

AS 2700 and RAL Colour Range available.

APPLICATION METHODS

Conventional Air Spray: Typical set up 300-400 kPa, 1.4-1.6 mm Fluid Nozzle. Add up to 20% R 199 Reducer.
Airless Spray: Typical set up 32:1 pump ratio with a fluid tip of approximately 380 micrometers (0.015 inch) and a nozzle pressure of 14 MPa (2000 psi). Thinning is not generally required, however a small amount of R 199 Reducer may be added if required.
For hot days or large objects use R225 slow Reducer
Brush/Roller: Suitable for small areas, touch up or repair.
Clean up: R199 Reducer
NOTE: Do not apply at temperatures less than 5°C, or when the relative humidity exceeds 85%, or if the surface temperature is within 3°C of the Dew Point.
PACK SIZES POLYTHANE AU - 625 - PACK A - 20 Litres, 4 Litres
 POLYTHANE AU – 625 HARDENER PACK B - 5 Litres, 1 litre

POLYTHANE AU-625.

GENERIC TYPE:	TWO COMPONENT ACRYLIC POLYURETHANE ENAMEL
SURFACE TO	STEEL, GALVANISED STEEL, ZINC
BE COATED:	COATED STEEL, ALUMINIUM AND TIMBER.
PRODUCT DESCRIPTION:	HIGH PERFORMANCE , RECOATABLE ACRYLIC POLYURETHANE ENAMEL

GENERAL PHYSICAL PROPERTIES AND APPLICATION DATA:

FINISH	High Gloss
COMPONENTS	2
HARDENER	625 – 9225 Polythane Hardener – Pack B
THINNERS	R 199 REDUCER or R225 slow
MIXING RATIO (V/V)	2 parts AU - 625 Pack A 1 part 625 - 9225 Pack B
POT LIFE	4 - 6 hours at 25°C.
VOLUME SOLIDS %	App 50% but will vary with colour
FLASH POINT	33°C
RECOMMENDED DRY FILM THICKNESS PER COAT	50 microns
THEORETICAL COVERAGE	9.5 m ² / L at 50 microns DFT
PRACTICAL COVERAGE	Allow appropriate loss factor.
DRYING TIMES	Temp Touch Hard 25°C 3 hr 16 hr
RECOAT	Temp Min Max 25°C 16 hr INDEFINITE
APPLICATION	Conventional or Airless Brush/Roll small areas.

POLYTHANE AU-625

COATING SYSTEM RECOMMENDATIONS

SURFACE	PREPARATION	SYSTEM	DRY FILM THICKNESS
STEEL HEAVY INDUSTRIAL LIGHT / MEDIUM INDUSTRIAL	Abrasive Blast Clean to AS 1627.4 Class 2.5	BARRIER EX - 408 Epoxy Primer	75 microns
		BARMASTIC EMH -375 High Build	200 microns
		POLYTHANE AU - 625	50 microns
ALUMINIUM, ZINC COATED & GALVANISED STEEL	Clean & Degrease Surface. Mechanical Abrade.	BARRIER EX - 408 Epoxy Primer	75 microns
		POLYTHANE AU - 625	50 microns
		POLYTHANE AU - 625 (if required)	50 microns

* REFER to your Barrier Protective Coatings Representative for specific recommendations for your special application.

HEALTH AND SAFETY

PACK A

UN NO. 1263
Flash Point 33 °C
Packaging Group III
Precautions Flammable

PACK B

UN NO. 1866
Flash Point 38 °C
Packaging Group III
Precautions Flammable

Contains volatile and flammable solvents. Contains a maximum content of 0.37 grams per 100 ml of volatile free organic isocyanate. Keep away from all sources of heat and open flames. Do not smoke whilst handling. Wear suitable protective clothing to avoid contact with skin and eyes. Provide adequate ventilation during use and avoid breathing vapour. Do not spray in confined or poorly ventilated areas without the use of approved air supplied breathing apparatus.

FIRST AID

Eyes: If paint splashed in eyes, irrigate with copious amounts of clean water for 15 minutes. Seek medical aid if irritation persists.

Skin: If paint splashed on skin, wash affected area thoroughly with soap and water. If irritation persists seek medical aid. Remove all contaminated clothing and laundry before re-use.

Inhalation: If affected by exposure to vapours, remove from area, keep at rest and seek medical aid if symptoms persist.

Ingestion: If swallowed, give glass of water to drink and seek medical assistance. **Do not** induce vomiting.

Consult separate Material Safety Data Sheet for more detailed Health and Safety information.

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