Sydney Head Office:
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540 POLYURETHANE

Isocyanate Cured Acrylic Finish

Hydroxy functional acrylic resins are designed to cross-link at room temperature with polyisocyanates. Resistant films are quickly formed avoiding the necessity of providing stoving facilities. It also allows the end user to coat articles which are too big to be stoved, or which are sensitive to heat. These high performance coatings are suitable for a wide range of applications.

Description and uses

540 Polyurethane is a two-pack acrylic modified urethane topcoat with the following features:

- Recoatable with minimum surface preparation.
- Excellent durability.
- Excellent gloss and colour retention.
- Tough finish with good chemical resistance.
- Non-yellowing coating.

Typical areas of application are:

- Implements and farm machinery.
- Forklifts, tankers and trucks.
- Chemical and petroleum industry.
- Industrial and mining equipment.

Technical Specifications

FINISH: High gloss.
MIXING RATIO: Part A / Part B 4/1 (Volume).
THINNERS: T150 or T152
POT LIFE: 2 – 4 hours @ 25°c.
VOLUME SOLIDS: 40 – 45% (depending on colour)
COVERAGE: 8 – 9 Square metres per litre.
RECOMMENDED FILM THICKNESS: 50 microns dry
APPLICATION: Brush, roller and spray.
DRYING AT 25°c: Touch dry 30 minutes – 1 hour.
Recoat – After 8 hours.
Hard dry 24 Hours (7 days for full cure)

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APPLICATION DETAILS – PAINTING SYSTEMS			
	D.F.T. um		
System 1	1st Coat	50-75	280 Epoxy Primer (Thinner T180)
	2nd Coat	50-75	540 Polyurethane (Thinner T150 or slow T152)
	3rd Coat		Optional

	D.F.T. um		
System 2	1st Coat	50-75	722 Iso-Free Primer (Thinner T154 or slow T156 or T159)
	2nd Coat	50-75	540 Polyurethane (Thinner T150 or slow T152)
	3rd Coat		Optional

	D.F.T. um		
System 3	1st Coat	5-10	260 Key-Coat (Thinner T166)
	2nd Coat	50-75	540 Polyurethane (Thinner T150 or slow T152)
	3rd Coat		Optional

APPLICATION DETAILS – SURFACE PREPARATION		
SUBSTRATE	DETAILS	RECOMMENDED SYSTEM
Steel	Power tool clean to AS1627.2 class 2 Or abrasive blast clean to AS1627.4 Class 2.5	1 or 2
Aluminum, Galvanized Steel or Zinc Anneal	Light abrasive blast or treat with 212 Metal Clean	1, 2 or 3
Concrete and Masonry	New concrete must be fully cured. Light abrasive blast or acid etch	2
Fibreglass	Light sand and wash down with thinner or cleaning solvent	1 or 2
Previously Painted Surfaces	Lightly sand glossy areas, wash down with cleaning solvent	3

Note: All surfaces to be painted should be clean and free from dust, dirt, oil, grease etc. All surfaces must be free of moisture and topcoat not applied when the substrate temperature is below 5°c.

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Application

Mix 540 part A 4 parts with part B. allow to stand for 10 minutes, then stir again before using.
Brush or Roller – Thinning not normally required.
Conventional Spray – Thin approximately 20% and apply 2 coats wet on wet.
Airless Spray - Thin approximately 5 – 10% and apply.
Clean Up – T150 or T134 All Purpose Thinner.

Safety Instructions

Flammability: Highly flammable, avoid heat and sources of ignition. Container should be earthed when pouring.

Personal Protection: Avoid contact with skin or eyes, wear suitable clothing such as impervious overalls, PVC or neoprene gloves, safety goggles. Wear a positive pressure air supplied full-face respirator.

Engineering controls: Ensure ventilation is adequate. When spraying, ensure product is applied in a fully functional spray-booth. Keep containers closed when not in use. Do not use near ignition sources.