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720 ISO-FREE

Isocyanate Free Acrylic Finish

For many years two-pack coatings have essentially been restricted to the well known polyurethane and epoxy coatings. With government regulations becoming more stringent, Lacnam Paints have developed a non-toxic two-pack isocyanate free paint system incorporating Lacnam 722 Iso-Free Primer and 720 Iso-Free Topcoats. Both products are environmentally friendly without any genotoxicity or other acute toxicity problems.

Description and uses

720 Iso-free is a two-pack amine-epoxy functional acrylic topcoat with the following features:

- Excellent durability
- Excellent gloss and colour retention
- Recoatable
- Tough finish with good chemical resistance.

Typical areas of application are:

- Implements and farm machinery.
- Forklifts, tankers and trucks.
- Chemical plants, breweries, concrete floors.
- Industrial and mining equipment.
- Electrical generating equipment (e.g. PowerStation's)

Technical Specifications

FINISH: High gloss

MIXING RATIO: Part A / Part B 1/1 (Volume).

THINNERS: T154, T156, T159.

POT LIFE: 10-12 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 30-60 minutes

Recoat – minimum 6 hours

Hard dry 24 Hours (7 days for full cure)

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D.F.T. um			
System 1	1 st Coat	50-75	280 Epoxy Primer (Thinner T180)
	2 nd Coat	50-75	720 Iso-Free (Thinner T154 or slow T156 or T159)
	3 rd Coat		Optional

D.F.T. um			
System 2	1 st Coat	50-75	722 Iso-Free Primer (Thinner T154 or slow T156 or T159)
	2 nd Coat	50-75	720 Iso-Free (Thinner T154 or slow T156 or T159)
	3 rd Coat		Optional

D.F.T. um			
System 3	1 st Coat	5-10	260 Key-Coat (Thinner T166)
	2 nd Coat	50-75	720 Iso-Free (Thinner T154 or slow T156 or T159)
	3 rd 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
Fiberglass	Light sand and wash down with thinner or cleaning solvent	1, 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 720 part A equal parts with 720 part B. allow to stand for 20 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 – T154 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, and safety goggles. Wear an approved half-face respirator suitable for organic vapor, meeting AS1715/1716.

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.

Although this information is presented in good faith and compiled from sources believed to be accurate, Lacnam Paints make no representations or warranty as to the completeness or accuracy thereof. As the product's performance and suitability depends on various factors, the purchasers of our products should determine for themselves whether the product is suitable for their particular use.