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TECHNICAL INFORMATION SHEET

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285 S. T. EPOXY

Surface Tolerant High Build Epoxy

Description and uses

285 S.T. Epoxy is an epoxy polyamine primer / topcoat with the following features:

- Fast curing.
- Requires minimum surface preparation.
- Can be applied over most aged coatings
- Can be top-coated with a number of industrial coatings
- Good solvent and chemical resistance
- High solids

Typical areas of application are:

- Structural steel and sheet metal used in the construction, transportation, industrial and mining industries.
- Concrete floors, factory, showroom and workshop walls etc.

Technical Specifications

FINISH: Satin

MIXING RATIO: Part A / Part B 3/1 (Volume).

THINNERS: T180 Epoxy Thinner

POT LIFE: 2 hours @ 25°C.

VOLUME SOLIDS: 80% (White)

COVERAGE: 5 Square metres per litre.

RECOMMENDED FILM THICKNESS: 200 microns wet / 160 microns dry.

APPLICATION: Brush, roller and spray.

DRYING AT 25°C: Touch dry 3 hours.

Recoat – 16 hours

Hard dry – Overnight.

APPLICATION DETAILS – PAINTING SYSTEMS			
D.F.T. um			
System 1	1 st Coat	150	285 ST Epoxy (Thinner T180)
	2 nd Coat	150	285 ST Epoxy (Thinner T180)
	3 rd Coat		Optional

D.F.T. um			
System 2	1 st Coat	150	285 ST Epoxy (Thinner T180)
	2 nd Coat	50-75	540, 720 Two-pack topcoat (Thinner T154 or slow T156 or T159)
	3 rd Coat		Optional

D.F.T. um			
System 3	1 st Coat	50-100	605 Zinc Rich Primer (Thinner T180)
	2 nd Coat	50-75	285 ST Epoxy (Thinner T180)
	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 or treat with 212 Metal Clean	1, 2 or 3
Aluminum, Galvanized Steel or Zinc Anneal	Light abrasive blast or treat with 212 Metal Clean	1 or 2
Concrete and Masonry	New concrete must be fully cured. Light abrasive blast or acid etch Thin first coat 30% with T180	1 or 2
Previously Painted Surfaces	Lightly sand glossy areas, wash down with cleaning solvent	1 or 2

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.

Application

Mix 285 part A 3 parts with 1 part 285 part B. Allow to stand for 10 minutes, then stir again before using.

Brush or Roller – Thinning not normally required.

Conventional Spray – Thin approximately 5-10% and apply 2 coats wet on wet.

Airless Spray - Thinning not normally required.

Clean Up – T180 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 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.

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