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TDS 290 page 1 of 2

290 TAR EPOXY

High Build Epoxy Coating

Description and uses

290 Tar Epoxy is a two-pack chemically cured coating which has replaced the older type coal tar coatings. 290 Tar Epoxy has lower toxicity and will out perform coal tar epoxies in all respects. 290 Tar Epoxy has the following features:

- High film builds can be achieved.
- Excellent water immersion resistance.
- Does not contain coal tar.
- Excellent chemical resistance.

Typical areas of application are:

- Marine environments such as barges, ships, off shore structures etc.
- Water holding tanks, pipes, concrete structures, showers, chemical plant, refineries etc.

Technical Specifications

FINISH: Black semi-gloss

MIXING RATIO: Part A / Part B 4/1 (Volume).

THINNERS: T180 epoxy thinner.

POT LIFE: 5 hours @ 25°C.

VOLUME SOLIDS: 71% (when mixed).

COVERAGE: 4.7 Square metres per litre at 150 microns D.F.T.

RECOMMENDED FILM THICKNESS: 150-200 microns dry.

APPLICATION: Spray, brush or roller.

DRYING AT 25°C: Touch dry 1-2 hours.

Recoat- 5 hours.

Hard dry- 10 hours.



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TDS 290 page 2 of 2

APPLICATION DETAILS – SURFACE PREPARATION	
SUBSTRATE	DETAILS
Steel	Abrasive blast according to AS1627.4 Class 2.5 for immersion and class 2 for non-immersion conditions.
Masonry surfaces	Lightly blast or acid etch to remove contaminants. (When applying first coat to masonry surfaces thin approximately 25% with thinner T180)

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

Brush or Roller: Thin as above if necessary and apply to substrate. Care should be taken that proper and uniform film thickness is obtained.

Conventional Spray: For air spray application a fluid tip .070" to .086" (E or D DeVilbiss) and an air cap with good break up such as DeVilbiss 704 and 765 will give good results. The fluid pressure should be kept low, about 15 PSI, with just enough air pressure to get good break up of the coating. Excessive air pressure can cause overspray problems.

Airless Spray: Where airless spray equipment is used, use heavy duty 30 to 1 airless pump, tip size .019" to .023" will provide a good spray pattern. Ideally, fluid hose should be 3/8" ID and maximum length 16 metres, not including short 1/4" ID whips. Larger diameter hoses should be used for long fluid lines. Long fluid lines with narrow hoses will greatly reduce fluid pressure at the gun, causing poor spray patterns.

Clean Up: Clean equipment with T180 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.

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