



COATINGS TECHNOLOGY (PTY) LTD

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RETEK POLY URETHANE

The product is a versatile, durable and inexpensive epoxy coating that is extremely resistant to acidic and alkali environments. The product has been tried and tested for the past 8 years, to the satisfaction of many clients.

Poly Urethane exhibits the following features:

- Available in any colour required.
- Solid contents can be customized for application.
- Low maintenance
- Highly resistant to acids & alkalis
- Highly flexible
- Long shelf life

Poly Urethane can be used on the following surfaces:

- Petrochemical
- Vessel Linings
- Chemical Industrial
- Pipe Lines
- Steel Structures
- Exterior surfaces
- Galvanized Sheeting

Finishes available

- High Gloss
- Semi-mat

Application procedures

- Surface preparation is the most critical part of the coating procedure. The surface preparation will vary according to the initial substrate condition, expected service life and general environment conditions. Optimum preparation for metals will provide a surface cleaned of all contaminates. Abrasive blasting is recommended to SA 2 – SA 2.5, with a surface profile of 60 microns.

Primer Required

- Normally applied over Retek Zinc Primers

Topcoat required

- Normally None

Mixing

- Mixing should be done at temperatures between 3°C - 30°C. The dual pack will contain the correct amount of A-Activator and B-Base. If smaller amounts are to be mixed, the mix should be strictly kept at 3 Parts A – 1 Part B volume. Under no circumstances should any solvents be added to the product. It is advised that only the usable amount should be mixed for application. When the A-Activator and the B-Base are mixed in a container, it should be stirred for approximately five minutes.

Coverage

- 75 Microns – 7.2 m² per litre
- 125 Microns – 4.3m³ per litre
- Dry film thickness required (microns)
- Please note that the suggested dry film thickness of the product should be a minimum of 75 microns and a maximum of 125 microns. The product will contain approximately 54% solids by volume, unless otherwise stated.

Application

The product can be applied by conventional spray gun, airless spray gun, roller or brush. Care should be taken to clean all equipment after use. Solvents to clean spray guns, airless spray guns etc is available from FIRM.

Working Time

6 Hours at 25°C

Curing Schedules

Average drying time at 25°C & 50% RH

Touch dry – 3 hours

Overcoatable – 5 hours

Handable – 12 hours

Normal Traffic – 48 hours

Chemical resistant – 168 hours

Safety

Respirators should be used when applying the product in enclosed areas, which do not have adequate ventilation. See safety data sheet.