

ParaQuartz Liquid System

Balcony and Walkway Waterproofing Systems



■ Product Description

The ParaQuartz range of advanced technology, high performance, cold applied, liquid waterproofing systems comprises single pack, elastomeric, high build, liquid polyurethane coatings. These cure to form seamless, durable, long lasting, weatherproof membranes for all types of balcony/walkway applications.

The systems are made up of a minimum of two layers of moisture triggered polyurethane, incorporating a random weave glass fibre mat reinforcement.

The ParaQuartz Base Coat (BC) has excellent adhesion to all common roofing substrates and is reinforced by incorporating a layer of random weave Paracoat Glass Fibre Mat (GFM).

The glass fibre reinforcement breaks down into individual fibres when embedded in ParaQuartz BC enabling complex shapes to be completely encapsulated with no rucking.

The system is completed by applying ParaQuartz Top Coat (TC) in which aggregate is broadcast and a fast curing sealer applied providing a durable, waterproof and UV stable membrane.

- Forms a waterproof, seamless membrane.
- Single component, cold liquid applied.
- Tough, long life membranes, glass fibre reinforced.
- 20 and 25 year systems.
- High performance thermal and UV stable elastomeric polyurethane.
- Easy application by roller, brush or airless spray.
- Excellent adhesion to most roof substrates.
- Controlled film thickness.
- Can be applied to damp substrates.



■ Systems

ParaQuartz Systems are used to provide long life weatherproofing solutions to flat roof refurbishment where walkways and balconies are needed.

All systems have Paracoat Glass Fibre Mat (GFM) incorporated into a layer of ParaQuartz BC which is then totally encapsulated with ParaQuartz TC.

The two main systems are based upon life span to first maintenance of 20 and 25 years.

■ Typical Properties

1. Primer coat.

- A1178 Fast cure (2 hour) PU Primer coated at a rate of 5 - 8 m² per litre.
- Supplied in 5 litre rectangular tins.
- Labelled ParaQuartz Fast Cure PU primer.

2. Balcony Base Coat (Red).

- A1179 Faster curing (4 hour cure) Base Coat (BC).
- Supplied in blue 15 litre buckets with multi-lug lids. Red label on lid.
- Labelled ParaQuartz Base Coat Red.
- Coated at a rate of 1 litre per m² .
- A 225 g/m² Glass Fibre Mat is embedded into the base coat.
- Glass Fibre Mat supplied in 1.3 m x 115 m rolls.

3. Balcony Top Coat. Dark Grey.

- A1180 Faster curing (4 hour) Top Coat (TC).
- Supplied in blue 15 litre buckets with multi-lug lids. Grey self adhesive label on lid.
- Labelled ParaQuartz TC Dark Grey with a three month expiry date.
- Coated at a rate of 0.75 litres per m².
- Into which 0.7 – 1.5 mm aggregate is broadcast at the rate of 5 kilos per m².

4. Balcony Sealer Coat. Clear.

- A1181 Faster curing (2 hour) Sealer.
- To be supplied in 5 litre rectangular tins.
- Labelled ParaQuartz Sealer .
- Coated at a rate of 5 m² per litre.

■ General Method of Application

- ParaQuartz is a multi layer system, designed for application by brush, roller or airless spray and must be applied in a minimum of two coats – a Base Coat (BC) layer and a Top Coat (TC) layer.
- In all instances the base coat is reinforced using Paracoat random weave Glass Fibre Mat (GFM).
- The Glass Fibre Mat is a 225 g/m² emulsion bonded, low silane reinforcing mat designed to impart strength to the finished system.
- The Glass Fibre Mat must be laid into the wet base coat and thoroughly embedded.
- The Top Coat is applied once the embedment coat is cured.*
- If a slip resistance surface is required, aggregate can be broadcast into an extra coat of Top Coat or encapsulated between two extra layers of Top Coat.
- Clean equipment with Paracoat cleaner.
- * Top coat must be applied within 14 days of curing. Beyond this period the base coat must be reactivated with Langley A1178 Fast Cure Primer, prior to application.

DO NOT DILUTE

■ Priming

- Substrates may require priming prior to using the ParaQuartz system. It is recommended that pull-off adhesion tests are carried out prior to application of the coating to check that adequate adhesion can be achieved.
- ParaQuartz PU Primer is suitable for most substrates and can be applied by brush, roller or airless spray.
- All metallic surfaces require priming with Paracoat Epoxy Primer. However, certain non-ferrous metals require special treatment.

For advice, please contact the Langley Technical Services Department.

■ Surface Preparation

- All surfaces must be clean, dry and free from all loose debris, laitance and other surface contamination. Repairs to cracks, holes and other defects must be carried out prior to coating.
- Fungus, mould or lichens must be removed and the area treated with Paracoat Biocidal Wash.
- Laitance should be removed by means of grit – blasting (large areas), wire brushing (small or difficult areas) or power washing, fully in accordance with Health & Safety guidelines.

■ Storage

- Store in a cool, dry place, indoors and avoid unnecessary opening of containers.
- Storage stability – 6 months when stored between 5°C – 25°C in unopened cans
- Once open ParaQuartz products will start to cure and a skin will form. It may be possible to remove the skin and use the remaining material.



■ Health and Safety

Before using this product please ensure that you have been supplied with and have read carefully the following information.

1. The hazard labels on the container complying with current CHIP regulations.
2. Langley Material Safety Data Sheets (MSDS) for ParaQuartz and associated products.

The recommendations made in our MSDS for this product should be followed at all times.

The above information is issued in good faith and without warranty and is intended as a guide only. The information comprises typical data and does not constitute a specification.

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