

Paracoat 20/25+ Liquid Waterproofing System

Product Ref: (DsA35-0721)
Issue No: 02



PARACOAT 20/25+ ROOF WATERPROOFING

PRODUCT DESCRIPTION

The Paracoat 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 flat and pitched roofs.

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

The Paracoat 20/25+ Base Coat has excellent adhesion to all common roofing substrates and is fully reinforced incorporating a Langley GFM Embedment Fleece layer of random weave glass fibre mat. The Langley GFM Embedment Fleece breaks down into individual fibres when embedded in Paracoat 20/25+ Base Coat enabling complex shapes to be completely encapsulated with no rucking.

The system is completed by applying Paracoat 20/25+ Top Coat 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 guaranteed 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.

USE

Paracoat 20/25+ systems are used to provide long life waterproofing solutions for flat and metal roofing systems.

Langley Waterproofing Systems Limited

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TECHNICAL DATA

Paracoat 20/25+ Top and Base Coats:

Base:	Polyurethane
Appearance:	Dark Grey - RAL 7015 (top coat) / Light Grey RAL 7004 (base coat)
Temperature Resistance:	-30 to 80°C
Application Temperature:	5-30 °C
Density:	1.50kg/L
Viscosity:	7000-12000cps (20°C)
Drying Time Per Coat:	18-24 hours @ 5°C 12-18 hours @ 10°C 6-12 hours @ 20°C
Moisture Tolerance:	1-2 hour(s)
Shelf Life:	9 months
Fire Resistance:	Broof (t4) EN 13501-5

APPLICATION

- Paracoat 20/25+ is a multi-layer system, designed for application by brush, roller or airless spray.
- **20-year system:** must be applied in a minimum of two coats - base coat layer at a rate of 1 litre per m² and a top coat layer at a rate of 1 litre per m².
- **25-year system:** must be applied in a minimum of three coats - base coat layer at a rate of 1 litre per m², intermediate coat (additional base coat) a rate of 0.75 litre per m² and a top coat layer at a rate of 0.75 litres per m².
- In all instances the base coat is fully reinforced using Langley GFM Embedment Fleece random weave glass fibre mat.
- The Langley GFM Embedment Fleece is a 225 g/m² emulsion bonded, low silane reinforcing mat designed to impart strength to the finished system.
- The Langley GFM Embedment Fleece must be laid into the wet base coat and thoroughly embedded.
- The top coat is applied once the base coat is cured.*
- Clean equipment with Paracoat cleaner.
- DO NOT DILUTE

*Top coat must be applied within 48 hours of curing. Beyond this period the base coat must be reactivated with Langley Reactivation Primer, prior to application.

PRIMING

- Substrates may require priming prior to using Paracoat 20/25+. However, it is recommended that pull tests should be carried out prior to application of the coating to check that adequate adhesion has been achieved.
- Langley PU Primer is suitable for most substrates and can be applied by brush, roller or airless spray.
- All metallic surfaces require priming with Langley Epoxy Metal Primer. However, certain non-ferrous metals require special treatment.

For advice, please contact the Langley Technical Services Department.

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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 Langley Biowash.
- Laitence 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

- Supplied in 15 litre drums with multi-lug lids.
- Store in a cool, dry place, indoors and avoid unnecessary opening of containers.
- Storage stability - 3 months when stored between 5°C - 25°C in unopened cans.
- Once open Paracoat Duo 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 carefully read the following information.

1. The hazard labels on the container complying with current CHIP regulations.
2. Langley Health & Safety Data Sheets for Paracoat 20/25+ and associated products.

The recommendations made in our Health & Safety Data Sheets 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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