

Paracoat Duo Liquid Waterproofing System

Product Ref: (DsA36-0721)
Issue No: 02



PARACOAT DUO - ROOF & WALKWAY WATERPROOFING

PRODUCT DESCRIPTION

Paracoat Duo is a high performance, cold applied, dual purpose liquid waterproofing systems comprising of single pack, elastomeric, high build, liquid polyurethane coatings. These cure to form seamless, durable, long lasting, weatherproof membranes for all types of roof/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.

Paracoat Duo 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 Duo Base Coat enabling complex shapes to be completely encapsulated without rucking.

The system is completed by applying Paracoat Duo Top Coat providing a durable, waterproof and UV stable membrane.

When a slip resisting finish is required, Langley Quartz Chippings can be broadcast into the Paracoat Duo Top Coat. Langley Quartz Chippings are then sealed in place with a fast-curing Langley Walkway Sealant to create a robust and durable textured surface finish.

- 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 Duo Systems are used to provide long life waterproofing solutions for flat roofs, walkways, balconies and metal roofing systems.

Langley Waterproofing Systems Limited

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TECHNICAL DATA

Paracoat Duo Base Coat:

Base:	Polyurethane
Appearance:	Red
Temperature Resistance:	-30 to 70°C
Application Temperature:	5-30 °C
Density:	1.50kg/L
Viscosity:	12000cps (20°C)
Drying Time Per Coat:	2-4 hours @ 20°C
Moisture Tolerance:	1-2 hour(s)
Shelf Life:	3 months
Fire Resistance:	Broof (t4) EN 13501-5

Paracoat Duo Top Coat:

Base:	Polyurethane
Appearance:	Dark Grey (RAL 7015)
Temperature Resistance:	-30 to 70°C
Application Temperature:	5-30 °C
Density:	1.45kg/L
Viscosity:	12000cps (20°C)
Drying Time Per Coat:	2 hours @ 20°C
Moisture Tolerance:	1-2 hour(s)
Shelf Life:	3 months
Fire Resistance:	Broof (t4) EN 13501-5

APPLICATION

- Paracoat Duo 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 layer at a rate of 1 litre per m² and a top coat layer at a rate of 0.75 litres per m². For 25 year system guarantees, apply an additional base coat (intermediate 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 embedment coat is cured.*
- If a slip resisting surface is required, Langley Quartz Chippings can be broadcast into the top coat at a rate of 3 - 4 kg/m². Once the top coat is fully cured sweep away excess chippings and apply Langley Walkway Sealant at a rate of 0.25 litres/m².
- Clean equipment with Paracoat cleaner.
- DO NOT DILUTE

*Top coat must be applied within 14 days of curing. Beyond this period the base coat must be reactivated with Langley Reactivation Primer, prior to application.

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PRIMING

- Substrates may require priming prior to using the Paracoat Duo systems. It is recommended that pull tests are 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.

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.
- 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

- 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 Duo 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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