

Paracoat Humidity Primer

Product Ref: DsL33-1118
Issue No: 04-0120



PRODUCT DESCRIPTION

Paracoat Humidity Primer is a two component, water-based, epoxy resin primer coat for use within Paracoat Cold Polyurea liquid waterproofing systems and designed for damp porous substrates.

USE

Paracoat Humidity Primer is primarily specified to enhance the adhesive strength of Paracoat Cold Polyurea liquid waterproofing membranes to substrates such as damp concrete or damp wood.

APPLICATION

Preparation

- All substrates must be suitably clean or adequately prepared, free from loose debris, laitance, oils or other surface contamination. Repairs to cracks, holes and other surface defects must be carried out prior to coating.

Test

- Where appropriate, preliminary adhesion tests should be undertaken to ensure sufficient membrane attachment has been achieved.
- **NOTE:** Should preliminary adhesion tests be unsuccessful, a blinding coat of kiln dried sand can be broadcast into the primer to enhance adhesive strength.

Mixing

- Stir and homogenise both A and B parts of **Paracoat Humidity Primer** separately using a mechanical mixing device at a low speed. Once individually stirred, gently pour component A into component B and stir at a low speed for a minimum of 2 minutes avoiding excessive air bubbles. The mixing ratio by weight should be 100 (A):244 (B).

Application

- Once suitably mixed and stirred, apply **Paracoat Humidity Primer** to the clean and prepared substrate at a rate of 0.500kg/m² by brush or sheepskin roller.
- Recommended ambient temperature application should be between 5-30°C.
- **Paracoat Humidity Primer** should be applied to substrates with a minimum surface temperature of >5°C and rising.

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Curing Time

- Overall curing time will be 5 hours on average. However, this figure may vary subject to climatic conditions.

TECHNICAL DATA

Product Properties	Component A	Component B
Chemical description	Polyamine	Aqueous Polyamine Solution
Physical state	Liquid	Liquid
Non-volatile content	100%	31%
Flash point	100 °C	>100 °C
Colour	Dark Grey (RAL 7011)	Clear
Density	1.09 g/cm ³ (25 °C)	1.05 g/cm ³ (25 °C)
Viscosity		
5 °C	500mPa.s	1800mPa.s
15 °C	300mPa.s	500mPa.s
25 °C	150mPa.s	280mPa.s
35 °C	70mPa.s	170mPa.s
VOC class as per 2004/42/EC	0 g/L	2 g/L (57%)
Mixture Properties (Density)	600mPa.s	
Mixture Properties (Viscosity)	25 mins	
Viscosity		
10 °C	90 mins	
25 °C	45 mins	
35 °C	30 mins	
Hardness (Shore)	64D	
Elongation	3.2% (EN-ISO 527-3)	
Tensile strength	39 MPa (EN-ISO 527-3)	
Tear resistance	7.2 N/mm	
Thermal resistance	Up to 80 °C	
Typical system thickness (approx.)	0.5 mm	
Shelf life	12 months	

PACKAGING

- Paracoat Humidity Primer is supplied in 18kg kits (A & B overall) with metal containers.
- Palletised information is available upon request.

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STORAGE

- Store in a sheltered, cool and dry environment away from any heat or ignition source.
- Store below 10-30°C.
- Partly used containers should be resealed immediately and re-used as quickly as possible.
- Combined products cannot be resealed and pot life information above should be followed.

HEALTH AND SAFETY

- **Paracoat Humidity Primer** contains flammable solvent. Take all necessary precautions during handling and transport.
- Empty containers of **Paracoat Humidity Primer** should be considered as hazardous waste and disposed of with an authorised waste management company.
- See the appropriate Health and Safety Data Sheet for more detailed information.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.