



# Rain Guard

Protective and Waterproof Coating  
for Roof and Façade

Pack Size  
23Kgs ,20kgs & 10Kgs

TDS  
Technical Data Sheet



## Product Description

Rain Guard is a robust, UV-stable, and flexible liquid-applied waterproof facade coating designed for high solar reflectance, providing superior heat insulation and energy efficiency. It is available in various standard colours and can be applied at a DFT of 0.3 mm to achieve an aesthetically appealing textured or semi-smooth finish.

## Features

- **Flexibility:** Accommodates regular building movements.
- **Solar Reflectance:** Reflects intense solar heat with a Solar Reflectance Index (SRI) 103.
- **UV Resistance:** Offers long-term protection from natural elements.
- **Water-Based:** Safe to use and low odour.
- **Breathable:** Allows moisture to escape from the substrate.
- **Cost-Effective:** Provides long-term savings with a short payback period.
- **Fungi Resistance:** Naturally resists fungal growth.
- **Decorative:** Can be applied in various textures.

## Physical Properties:

Temperature	@27±1°C
Characteristics of Liquid	Viscous Liquid
Specific Gravity	Approx. 1.3

## Characteristics of Cured Membrane:

Tensile Strength	> 1.2 Mpa
Elongation at Break	> 150%
Solar Reflectance Index	>100% (ASTM E 1980-11)
Emissivity	>0.9
Solar Direct Reflectance	>0.8

Overcoat Time	4hrs @ 23°C, 50% RH
Dry Through (2nd Coat)	24hrs @ 23°C, 50% RH
Application Temperature	10°C - 35°C (surface temp)
Service Temperature	0°C - 60°C
VOC	Low
Water Absorption:	<25% after 72 hours

## Coverage Estimates:

Approx. 24m<sup>2</sup> / pack in two coats @ DFT of 0.3mm

## Application Instructions

### Surface Preparation:

Ensure the surface is clean, structurally sound, and free from oil, grease, wax, polish, laitance, dust, and other barrier materials. Fill all holes and cracks with a suitable filler material such as R - 17F. When applying over existing coatings, ensure they are firmly bonded. Repair damaged or spalled substrates and treat surface defects before applying the membrane. Mechanically roughen dense concrete surfaces to remove laitance and open pores.

### Priming:

**Dry Substrate:** Use a brush or roller to apply 30% diluted Rain Guard with water. Allow the primer to dry for at least 2 hours before applying the first coat of Rain Guard. Highly porous surfaces may need two coats.

**Damp Substrate:** For porous substrates, mix and apply a coat of AT 107 (water-based epoxy membrane) diluted with water in a 1:1:1 ratio (AT 107 Part A: AT 107 Part B: Water) using a brush or roller. Highly porous surfaces may need two coats. For non-pervious substrates, apply undiluted AT 107. Allow the primer to dry completely before applying the Rain Guard.

**Note:** New concrete should be left to cure for at least 28 days, and plastered surfaces should be at least 7 days old

### Application Steps:

- 1. Primer Application:** Apply a generous base coat of Primer waterproofing compound by brush or roller at a spread rate of 1 litre/m<sup>2</sup>.
- 2. Membrane Embedding:** Embed the Rain Guard membrane into the base coat while still wet. Ensure the membrane is thoroughly embedded, smoothing all air pockets and creases. Overlap adjacent membranes by at least 50 mm.
- 3. Second Coat:** Immediately apply a second coat of Rain Guard waterproofing compound at a spread rate of 0.6 litre/m<sup>2</sup> while the base coat is still wet to saturate the membrane from both sides thoroughly.
- 4. Top Coat:** When touch-dry, apply a final top coat at a spread rate of 0.5 litre/rm<sup>2</sup> to complete the application. Protect from rain until dry. Apply in 2 coats at an approximate wet film thickness of 0.3mm per coat to achieve an overall dry film thickness of 0.3mm. Allow the first coat to dry completely before applying the second coat.

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**Data Reliability**

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

**Regional Compliance**

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

**Legal Disclaimer**

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