

# PROTECTIVE COAT

## Waterproofing



DUNLOP® PROTECTIVE COAT Waterproofing is a grey, water-based, UV stable, liquid applied waterproofing membrane. DUNLOP® PROTECTIVE COAT can be used as a waterproof finishing coat for exposed wall and roofing applications. Providing continuous protection from the elements, DUNLOP® PROTECTIVE COAT will fight mould and mildew.

### SURFACE PREPARATION

Ensure all surfaces are structurally sound and dry. The surface should be free from dust, oil, curing compounds and any other contaminating materials. When applying over existing coatings, ensure they are firmly bonded. Damaged concrete should be repaired, levelled and surface defects such as cracks and protrusions should be treated prior to the application of the membrane. Remove laitance by mechanical means and dense concrete should be mechanically roughened to open the pores of the concrete. New concrete should be left for at least 28 days to cure or primed with DUNLOP® DAMP-PROOF Waterproofing. Wet, damp or new concrete substrate surfaces should be primed with DUNLOP® DAMP-PROOF Waterproofing at 3m<sup>2</sup> per litre and allowed to cure overnight.

All surfaces other than those sealed with DUNLOP® DAMP-PROOF Waterproofing should be primed with DUNLOP® Primer at a coverage rate of 6m<sup>2</sup> per litre. Hebel block or other highly porous surfaces may need two coats.

Allow the primer to dry for at least 60 minutes before applying the first coat of DUNLOP® PROTECTIVE COAT. The primer preferably should be overcoated the same day of application to avoid intercoat contamination.

### APPLICATION

#### External Façade Membrane

1. Apply using a nap or textured roller. Apply the coating in two coats ensuring a uniform coverage is achieved at an approximate wet film thickness of 0.3mm per coat to achieve an overall dry film thickness of 0.3mm.
2. Allow the first coat to become hard dry (normally about 4 hours at 23°C/50%RH) before applying the second coat.

#### Roof Membrane Application

Please note: Cold joints and mobile joints must incorporate a bond breaker by reinforcing between coats using Dunlop Reinforcing Mat. If the roof is subject to any traffic, a protective cementitious screed must be applied over the membrane.

1. Apply DUNLOP® PROTECTIVE COAT in 2 coats ensuring a uniform coverage is achieved at an approximate wet film thickness of 1.0mm

per coat to achieve an overall dry film thickness of 1.0mm.

2. Allow the first coat to become hard dry (normally about 4 hours at 23°C/50%RH) before applying the second coat.

Note: Thinning is not necessary or recommended.

### SURFACE FINISH

The surface finish achieved can be varied by selection of method of application. Prior to the commencement of any project it is recommended that a sample of the finish be prepared for approval and that finish shall act as the standard.

The length of the roller nap will vary the profile of the texture although the nap length must suit the substrate. A 12-15mm nap produces a low surface profile while a 15-24mm nap produces a higher surface profile.

### COVERAGE

Outdoor Wall/Façade Membrane – 4L DUNLOP® PROTECTIVE COAT Waterproofing will waterproof approximately 6.4m<sup>2</sup> in two coats at a total dry film thickness of 0.3mm.

Roof Membrane - 4L DUNLOP® PROTECTIVE COAT Waterproofing will waterproof approximately 1.8m<sup>2</sup> in two coats at a total dry film thickness of 1.0mm.

### CLEAN-UP

Clean-up with water before material has set and remove cured material with mineral turps.

### DRYING TIME

Recoat time is 4 hours at 23°C, 50% RH. The second coat will be dry in 24 hours at 23°C, 50%RH.

### SHELF LIFE

12 months in unopened container at 20°C. Store above 6°C.

### LIMITATIONS

- Do not apply DUNLOP® PROTECTIVE COAT if the temperature is below 10°C or above 35°C.
- Primed surfaces should preferably be overcoated within the same day of application to avoid intercoat contamination.

### SAFETY

DUNLOP® PROTECTIVE COAT Waterproofing is non-hazardous and non-dangerous goods. It is recommended that protective gloves be used during application. If product comes in contact with the eyes, rinse thoroughly with water. In the event of irritation, seek medical advice. Additional information is listed in the Material Safety Data Sheet available on the Dunlop Website.

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### DUNLOP GUARANTEE

Product is guaranteed for 10 years when installed to manufacturers instructions.  
DUNLOP is a trade mark of Ansell Limited and is used under license by ARDEX in Australia and New Zealand.

### TOLL FREE SERVICE

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Exceeds Australian Standard AS 2358-1990

## TECHNICAL DATA

### Characteristics of liquid

**Form & colour:** Viscous Liquid in Grey

**Specific gravity:** Approx. 1.3 g/cm<sup>3</sup>

### Characteristics of cured membrane

**Water Vapour Transmission (ASTM E96) at 1.0mm:** 21.9 g/m<sup>2</sup>/24hrs

### Tensile strength AS1145

**After 28 days dry:** 2.1 MPa  
**After 14 days UV:** 3.0 MPa  
**After 2,500 hrs QUV:** 5.9 MPa

### Elongation at break AS1145

**After 28 days dry:** 460%  
**After 14 days UV exposure:** 315%  
**After 2,500 hrs QUV:** 180%

### Application Details

**Application method:** Textured roller, medium nap roller or brush for external wall membrane.  
Long nap roller or brush for roof membrane application.

**Overcoat time:** 4 hrs @ 23°C 50% RH

**Dry through (2nd coat):** 24 hrs @ 23°C 50% RH

**Application temperature:** 10°C – 35°C (surface temp)

**Service temperature:** 0°C – 60°C

NOTE: Most of the tests have been carried under standard conditions (23±2 °C, 50±5% R.H)

### USER NOTES

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with DUNLOP product instructions and in applications for which they are intended.