

RETAINING WALLS & PLANTER BOXES

Waterproofing



DUNLOP® RETAINING WALLS & PLANTER BOXES Waterproofing is a latex modified, bituminous waterproofing membrane with built-in root inhibitor suitable for retaining walls, planter boxes and for sealing inground timber posts. Suitable for dry surfaces, it forms a flexible waterproof lining to most building surfaces. Designed primarily for areas covered or exposed to soil. The premium root inhibitor will repel root growth without killing the plant.

SUITABLE SUBSTRATES

Concrete, screeds, renders – cured for a minimum of 28 days and 14 days respectively. Alternatively, apply a barrier coat of DUNLOP® DAMP-PROOF Waterproofing as a barrier coating to fresh or wet substrates. Masonry and concrete blocks – voids filled and sharp edges and protrusions removed to give a flush finish.

SURFACE PREPARATION

The surface to be coated should be clean, sound and free from oils, grease and flaking paint. New concrete should be cured for 28 days prior to application (unless a barrier coat of DUNLOP® DAMP-PROOF Waterproofing has been applied) of the membrane and surface pores must be open. All cracks or holes exceeding 2mm are to be repaired before application commences. The surface to which the coating is to be applied should be smooth with no sharp edges to ensure a uniform film thickness is achieved.

Priming - DUNLOP® RETAINING WALLS & PLANTER BOXES is self priming on most surfaces. Wet or freshly placed concrete surfaces should be sealed with DUNLOP® DAMP-PROOF in one coat at a coverage rate of 3.0 square metres per litre. Porous substrates such as aerated concrete should be primed with DUNLOP® RETAINING WALLS & PLANTER BOXES mixed with 50% water.

APPLICATION

1. Apply a bead of neutral cure silicone to all expansion joints, corners, wall to floor/footing junctions and where movement will occur.
2. Apply two coats of DUNLOP® RETAINING WALLS & PLANTER BOXES at a total rate of 2L per square metre allowing 1-2 hours between coats and ensuring full coverage with brush or roller. DUNLOP® Reinforcing Mat should be used between coats in all vertical and horizontal corners or other possible movement joints. Ensure the mat is completely wetted out before the second coat is applied.
3. When dry, check for pinholes and rectify if necessary.
4. Once membrane has cured, and prior to backfilling it

is recommended that a suitable protection board be placed over the membrane to protect it from being punctured during backfilling. The protection boards should be installed using duct tape or other suitable means without puncturing the membrane.

COVERAGE

10L of DUNLOP® RETAINING WALLS & PLANTER BOXES will waterproof approximately 5 square metres after two coats (recommended total dry film thickness minimum 1.0mm).

CLEAN-UP

Clean all equipment in fresh water immediately after use. Remove cured material with mineral turpentine or white spirits.

DRYING TIME

Allow 1-2 hours between coats, unless DUNLOP® Reinforcing Mat is used between coats. In this case, a second coat can be applied immediately after the mat has been installed in the wet first coat.

The membrane is dry in 24 hours however backfilling should not be carried out until full cure is achieved after 7 days. Prior to backfilling, protection board should be used over the membrane to protect it from any sharp protrusions during the backfilling process.

SHELF LIFE

12 months in unopened container in a dry place at 25°C. Do not store in direct sunlight. Replace lid tightly after use.

LIMITATIONS

- DUNLOP® RETAINING WALLS & PLANTER BOXES Waterproofing will not resist root growth from large trees or plants placed in close proximity.
- DUNLOP® RETAINING WALLS & PLANTER BOXES coated surfaces must not be backfilled until the coating is totally dry and reached full cure, as the coating will fail to cure.
- Do not apply DUNLOP® RETAINING WALLS & PLANTER BOXES if the surface temperature is below 8°C or above 32°C. Do not apply if rain is imminent. Do not leave membrane exposed to direct UV rays for more than 3 weeks. Do not use solvent-based adhesive or sealers on top of membrane.

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SAFETY

DUNLOP® RETAINING WALLS & PLANTER BOXES is non-hazardous and non-dangerous. Do not breathe gas/fumes/vapour/spray. Wear eye/face protection. Use only in well ventilated areas. Keep container tightly closed and in a well ventilated place. In case of contact with eyes, rinse with plenty of water. In event of irritation, seek medical advice. Additional information is listed in the Material Safety Data Sheet (MSDS) available on the Dunlop Website.

DUNLOP GUARANTEE Product is guaranteed for 10 years when installed to manufacturers instructions.

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Exceeds Australian Standard AS 2358-1990

TECHNICAL DATA

Appearance & Odour:	Thick black fluid, slight odour
Specific Gravity:	Approx. 1.03 g/cm ³
Application temperature:	10°C - 35°C
Drying Time (@ 23°C, 50% RH)	
Recoat:	2 – 4 hours
Hard Dry:	24 – 48 hours
Full Cure:	7 days
Tensile Strength (6 days @ 23°C/50% RH plus 24 hrs at 70°C):	1.8MPa
Elongation of break (6 days @ 23°C/50% RH plus 24 hrs at 70°C):	220%

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.