Moistop® 759 and Dampguard® (Concrete Underlays)

DRY

Product Applications

Moistop® and Dampguard® Concrete Underlay products are designed to give permanent moisture protection against ground water penetration into concrete slabs. They can also be used as ground cover membranes over damp subfloors in suspended timber floor construction.

Durability

When installed in accordance with manufacturer's installation instructions, Moistop® and Dampguard® will satisfy the requirements of New Zealand Building Code Clause B2 3.1. a) 50 years for durability, when covered within 28 days of laying.

Moistop® and Dampguard® must not be left permanently exposed. All above-ground material must be covered.

Standards Compliance

Moistop® 759 meets the requirements laid down in NZS 3604 1999 Section 7.5. Moistop® 759 will also satisfy the requirements of NZBC E2/AS1 10.3.3 and 10.3.4 a). Moistop® 759 should be laid in accordance with NZBC E2/AS1 Figure 132 as an acceptable vapour barrier for concrete floor slabs.

Dampguard® will be suitable for use as a concrete underlay as required by NZS 3604 1999. Dampguard® will also satisfy the requirements of NZBC E2/AS1 10.3.3 and 10.3.4 b). Dampguard® should be laid in accordance with NZBC E2/AS1 Figure 132.

Laying

Moistop® and Dampguard® should be laid on a properly prepared base as required by NZS 3604 1999 Section 7.5. Moistop® should be laid with the coloured side facing up to enable easy visual inspection of taped joints. This will also allow any penetrations to be easily identified.

Jointing

Form joins by lapping Moistop® or Dampguard® by 150mm and sealing with 48mm PVC pressure sensitive tape. This must be done while product is clean and dry.

Screeding

Boxing should not be held in place with pegs which penetrate the concrete underlay.

Penetrations

Cross slit for penetrations such as pipes, reinforcing or columns so that Moistop® or Dampguard® fits tightly around the fixture. Seal against fixture with 48mm PVC pressure sensitive tape.

Subfloor Application

Moistop® and Dampguard® may be used to cover damp subfloors under suspended timber floors. Clear ground of loose soil and rubbish, lay Moistop® or Dampguard® over ground, lap joins by 150mm and tape with 48mm PVC pressure sensitive tape. Cross slit for penetrations such as jack studs, pipes or similar and cut to nearest edge of Moistop® or Dampguard®. Cover slits with a patch at least 300mm wide, tape with 48mm PVC pressure sensitive tape. Lay clean bricks, rocks or similar on the corners of the material to keep it flat. Avoid storing items on top that may puncture the material.

Repairs

It is imperative that all damage to the concrete underlay be repaired before concrete is poured. Clean and dry around affected area and apply a patch of Moistop® or Dampguard® at least 150mm larger than the penetration on all sides. Tape seal with 48mm PVC pressure sensitive tape.

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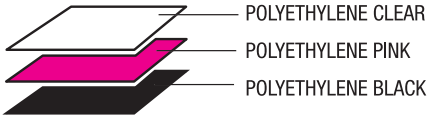
Moistop® 759



(Now 4m wide)

Description

Moistop® 759 is a moisture and water vapour barrier consisting of a three layer co-extruded virgin polyethylene laminate.

Roll Size

4000mm x 25m = 100m^2

Typical Properties

Weight: 230g/m^2
Thickness: 250 micrometres (0.25mm)
Water Vapour Flow Resistance (ASTM F1249-01): 670 MNs/g
Tensile Strength (ASTM D882): 120.1 md
Dart impact test: 1122g (no failures)

Dampguard®

(Now 4m wide)

Description

Dampguard® is a moisture and water vapour barrier consisting of a multi-layer co-extruded virgin polyethylene laminate.

Roll Size

4000mm x 25m = 100m^2
4000mm x 50m = 200m^2

Typical Properties

Thickness: 150 micrometres (0.15mm)
Water Vapour Flow Resistance: 340 MNs/g
Tensile Strength: (ASTM D882) MD 38MPa, TD 36 MPa
Dart impact test: 822g

Suggested details additional to those in E2/AS1 Figure 132"

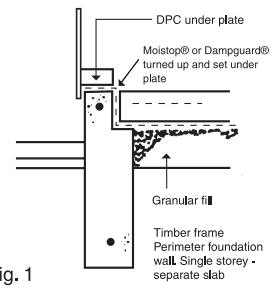


Fig. 1

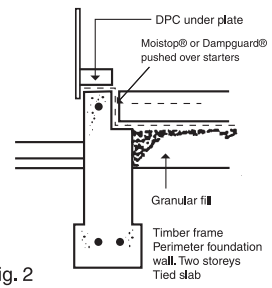


Fig. 2

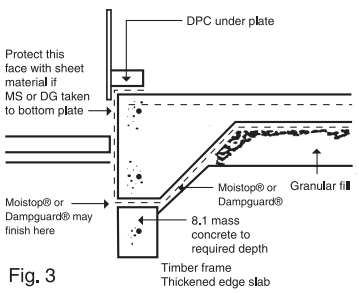


Fig. 3