

# MOISTOP® 150

## CONCRETE UNDERLAY

(PREVIOUSLY DAMPGARD®)

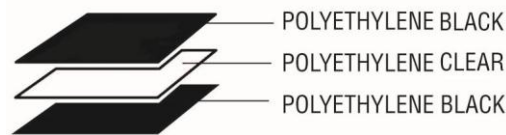
### Application

Moistop® 150 (previously known as Dampgard®) is a general purpose concrete underlay designed to give permanent protection against ground water penetration in residential and commercial concrete slab applications. It can also be used as a ground cover membrane over damp sub-floors in suspended timber floor construction. Refer to Moistop® 250 datasheet for a heavy weight, industrial strength concrete underlay.

### Features and Benefits

- Tough moisture and water proof barrier – for continual moisture protection in harsh conditions
- High strength and tear resistance - to resist penetration from below
- Three layer co-extruded virgin polyethylene laminate - increase resistance to vapour transmission and UV light
- 4m wide rolls - to minimise joins

### Product Description



### Technical Data

NZS 3604:2011 Classification	Requirement	Performance
Vapour Barrier	> 90 MN.s/g	Pass
Dart Impact Test	> 800 g	Pass
Thickness	100µm	150 µm

Also meets requirements of NZS 4229: 1999 Section 7.4.1 and 7.6.1(a)

### Installation

#### General

- Moistop® 150 should be installed over a properly prepared compacted gravel base in accordance with NZS 3604:2011 Section 7.5.3 to 7.5.6.2. Sand at no greater than 25mm depth may be used to blind coarser gravels
- Moistop® 150 shall be joined with 150mm minimum laps and sealed with a 48mm pressure sensitive PVC joining tape. To ensure a good seal, apply a firm pressure over the lapped seam
- Moistop® 150 shall be installed beneath any damp proof course (DPC) used to protect timber
- All repairs to be carried out prior to concrete pour. Tears or penetrations are to be repaired by applying a Moistop® 150 patch with at least a 150mm overlap on all sides to cover the tear/penetration.
- Moistop® 150 must not be left permanently exposed. All above-ground material must be covered.

#### Sub floor Installation

- Moistop® 150 may be used to cover damp sub floors beneath suspended timber floors.
- Site must be cleared of debris and sharp objects.
- Cross slit for any penetrations such as jack studs, pipes or similar
  - cut to the nearest edge of Moistop® 150
  - patch slits with at least a 300mm overlap and seal with a 48mm PVC pressure sensitive tape.
- Avoid storing items on top that may puncture the material.

**Suggested detail additional to those in NZS 3604:2011 Figure 7.13**

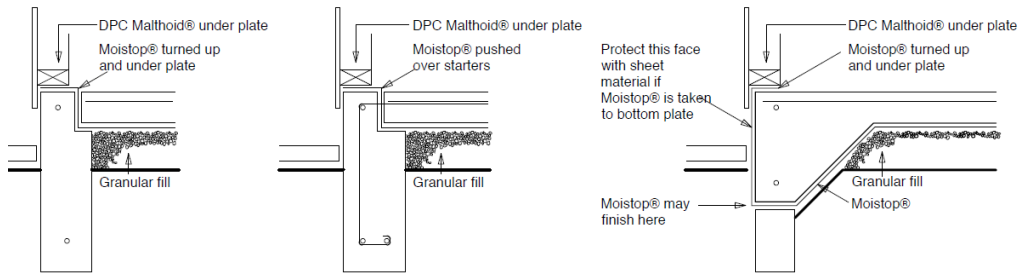


Fig. 1  
Single story -Separate slab  
Timber frame on perimeter foundation

Fig. 2  
Two story -Tied slab  
Timber frame on perimeter foundation

Fig. 3  
Thickened slab edge  
Timber frame

**Limitations**

Moistop® 150 *must* be:

- Installed on a granular base that will not puncture the Moistop® 150 as described in NZS 4229:1999 Section 7.3.2 and 7.6.2
- Taped on all joins and around all penetrations and patches

Moistop® 150 *must not* be:

- Left exposed for more than 28 days. All above ground material must be covered
- Penetrated by pegs holding boxing in place for slab perimeters

**Durability**

When used, installed and maintained in accordance with the requirements outlined in this datasheet, Moistop® 150 will meet or contribute to meeting the following provisions of the New Zealand Building Code Clause B2 Durability 3.1 (a) 50 year and B2 3.1 (b) 15 years when covered within 28 days of laying.

**Specification Notes**

Product required: Moistop® 150 concrete underlay (150 micrometers)

Product Specification

*Product previously known as Dampgard®*

Description	Product Code	Roll Size	Area	Nominal gsm
Moistop® 150	778805	4000mm x 25m	100m <sup>2</sup>	135

**Storage**

Moistop® 150 must be protected against damage and weather. Rolls must be stored on end, under cover in a clean, dry environment. Product must be protected from sharp objects.

**Accreditations/Appraisals/Certification**



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