

# Masons NZ Ltd UNI Flexible Air Barrier System

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# 1 Specification Details

Trade Sections: Concrete, Carpentry, Waterproofing

Description: UNI Flexible Air Barrier from Masons wall underlay

Keywords: UNI Flexible Air Barrier, Underlay, Timber framing, Steel framing, Window detail, Hydro Flashing Tape, 40 Below Flashing Tape, Mason UNI Fasteners

## 2 Clauses

### 2.1 Scope

*Help Note:*

For further information and technical advice, call Mason Plastabrick on 0800522 533 or go to [www.mpb.co.nz](http://www.mpb.co.nz)

For technical information on products to attach to this project, please visit [productspec.co.nz/en/supplier/masons%20plastabrick](http://productspec.co.nz/en/supplier/masons%20plastabrick).

#### 2.1.1 Scope

Supply and install the specified Membranes, Wraps and Flashing Tape from Masons Plastabrick Ltd to the locations identified on the drawings, complete with all accessories required for proper installation and performance. All aspects of this work shall be in complete accordance with Masons Plastabrick Ltd technical information and installation requirements (check [mpb.co.nz](http://mpb.co.nz), or call 0800 522 533 for the latest editions), other relevant product manufacturers' recommendations, and as shown on the drawings.

No substitutions are permitted for the specified Membranes, Wraps and Flashing Tape from Masons Plastabrick Ltd.

### 2.2 Damp-Proof Membrane (DPM)

*Help Note:*

For further information and technical advice, call Mason Plastabrick on 0800522 533 or go to [wwwmpb.co.nz](http://wwwmpb.co.nz)

#### 2.2.1 HT Green –DPM Sheet

[Masons HT Green™](#). A heavy-duty, 300 micron thick (0.30mm), super-high strength, tear-resistant, transparent, polyethylene film sheet damp-proof membrane and moisture vapour barrier. Suitable for use in areas of extreme conditions where additional strength and protection are required.

Masons HT Green™ as a Concrete Underlay Damp-proof Membrane (DPM):

- When installed as a damp-proof membrane beneath a slab-on-ground, Masons HT Green™ must be laid on a properly prepared sub-base as required by NZS 3604: 7.5, by a Licensed Building Practitioner (LBP).
- All joints lapped minimum 150mm and continuously sealed with minimum 50mm wide pressure sensitive PVC tape.

- Tape-seal around DPM-penetrating pipes and sleeves.
- Take all reasonable measures to protect the DPM from damage during construction.
- Inspect immediately before pouring concrete, and repair any perforations or damage to Masons HT Green™ DPM.

Masons HT Green™ as a Damp-proof Ground Cover:

- Masons HT Green™ may be used as a damp-proof ground cover in subfloor spaces below suspended floors to prevent the rise of dampness as required by NZS 3604: 6.14.
- Ensure that the ground is clear of rubbish and sharp edges.
- All joints must be taped with 50mm wide pressure sensitive PVC tape.

Do not leave Masons HT Green™ exposed to UV light for more than a total of 28 days - replace with new DPM if 28 days' exposure is exceeded.

Installed in accordance with the manufacturer's requirements to the locations and details shown on the drawings.

Installed Location:

### 2.2.2 Hydro Seal – Liquid –Applied Membrane

[Masons Hydro™ Seal](#) - Bituminous Surface Treatment. A black, liquid-applied waterproof membrane formulated to act as a damp-proof membrane behind retaining walls and buried structures. Suitable for use on concrete, concrete block and brick-work, wood and metal. Hydro™ Seal must not be left exposed to sunlight.

Application Data:

- Application temperature range: from +5°C to +50°C.
- Drying Time: 4-6 hours at 20°C. 12 to 24 hours should be left between coatings.
- Coverage: Additional to the primer coat, the minimum total application rate is 1 litre/m<sup>2</sup> = 2 x coats at ½ litre/m<sup>2</sup>.
- Stir thoroughly before application.

Preparation:

- Clean down surfaces to be treated.
- All dust, grease, residues, curing compounds, etc., must be removed - preferably by pressure water blasting, grit blasting or mechanical wire brushing.
- The surface must be smooth - grind back any irregularities and fill holes or cracks with mortar.
- Dampen the surface with no free water remaining.

Priming:

- For porous substrates a primer coat of 1 x part clean water mixed with 1 x part Hydro™ Seal is recommended.
- Pour 1 x part Hydro™ Seal into a clean bucket and slowly add 1 x part clean water.

Application:

- Apply Masons Hydro™ Seal with a coarse whitewash brush or broom. Soak brushes into water before use and periodically during application.
- Large flat areas can be applied by roller or squeegee.
- Two undiluted coats of Hydro™ Seal is recommended for best results.
- Allow each coat to dry 12-24 hours before re-coating.
- On floors as a sandwich membrane, blind the final coat with sand to reduce damage.

Protection:

- Masons Hydro™ Seal must be protected immediately after curing.