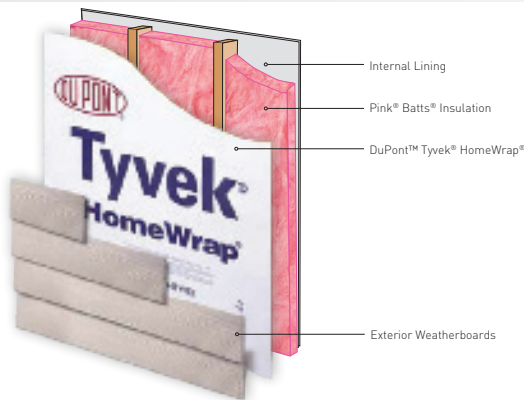


# DuPont™ Tyvek® HomeWrap®

## INSTALLATION INSTRUCTIONS



Tyvek® HomeWrap® is a fire retardant synthetic non-woven high density polyethylene (HDPE) homogenous sheet, manufactured using a spun-bond process. Specifically treated to provide high water resistance, high water vapour permeability (to assist in managing moisture in the wall cavity) and high air barrier technical properties.

Tyvek® HomeWrap® can be used as a:

- Wall wrap for the following constructions:
  - Cavity - all cladding types with both timber and steel framing
  - Direct Fixed - with absorbent cladding on timber framing only
- Non-rigid air barrier

### CONSIDERATIONS

DuPont™ Tyvek® HomeWrap® **shall be:**

- Installed by a competent tradesperson with an understanding of permeable wall underlay installation
- Installed in accordance to this document and other relevant technical literature as published by DuPont™ Tyvek®
- Separated from flues, chimneys and fireplaces in accordance with the requirements of NZBC for the protection of combustible materials
- Used on studs at 600mm centres maximum and dwangs fitted flush at 1200mm centres maximum

DuPont™ Tyvek® HomeWrap® **shall not be:**

- Used behind non-absorbent wall claddings direct fixed to timber or steel framing
- Exposed to the elements beyond 120 days
- Used as a roof underlay

### LOSP treated timber:

Allow any LOSP (light organic solvent preservative) to flash off for 2 weeks prior to installation of the Tyvek® HomeWrap®.

### INSTALLATION GUIDELINES

#### Installation on timber and steel framing

- Always install wall underlay prior to cladding or window installation
- Ensure that Tyvek® HomeWrap® is pulled taut and fixed to steel or timber framing with galvanised clouts ( $\geq 20\text{mm}$ ), staples (6-8mm) or self-taping screws at maximum 300mm centres
- Run the product horizontally (with printing facing outwards) across the frames, leaving coverage of both the top plate and bottom plate
- For horizontal laps, ensure there is a minimum of 150mm overlap; and for vertical laps, ensure minimum of 150mm lap beyond a full stud span. Always install the underlay in a shingle fashion, ensuring the top layer is always over the lower layer. If vertical laps are taped, lap can be reduced to 50mm
- Position laps over frame members
- Avoid leaving the wall underlay exposed beyond the cladding or within 100mm of finished ground level to prevent wicking of moisture
- Tape for best practice and mitigating rise of wind noise.

#### Installation in other scenarios

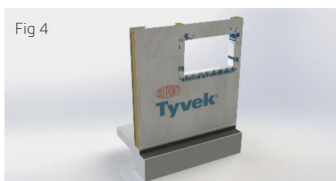
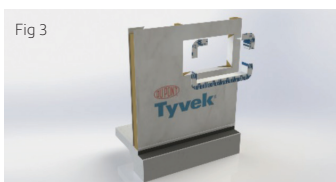
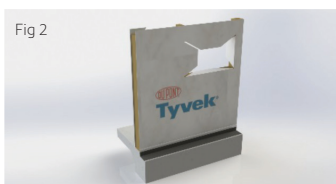
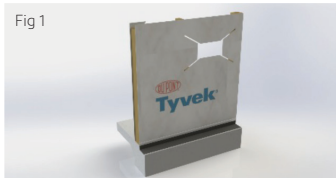
- In a drained cavity situation, where studs are spaced greater than 450mm, support the wall underlay with polypropylene strapping to prevent the insulation from pushing the DuPont™ Tyvek® HomeWrap® against the back face of the cladding
- Behind masonry brick veneer, ensure that the brick ties are fastened into the face of the studs without ripping or tearing the wall underlay

#### Repairs

- If torn or punctured, cover over the damaged area with additional wrap (at least 150mm overlap) and tape with Tyvek® Contractor Tape
- Tape small tears

# DuPont™ Tyvek® HomeWrap®

## Window / Door details



- When installing window flashing tape; position the DuPont™ Tyvek® HomeWrap® over openings then cut out window hole at 45° from each corner. Fig 1
- Wrap into opening and staple or tape onto inside face of the framing. Fig 2
- Install DuPont™ Flashing Tape or DuPont™ Tyvek® FlexWrap® along the bottom sill and up 200mm each vertical face. Fig 3
- Add 300mm vertical and horizontal pieces in both top corners, positioning the flashing tape 150mm horizontal and 150mm vertical. Fig 4
- Tape vertical and horizontal laps with Tyvek® Contractor Tape to maintain a good air barrier seal
- Seal around all penetrations with DuPont™ flashing tapes
- Pre-prime cedar and other timbers claddings prior to installation over Tyvek® HomeWrap®
- A second layer of Tyvek® HomeWrap®, installed shingle style, can be added above window and door head flashings

### Storage

Store DuPont™ Tyvek® HomeWrap® out of the direct sunlight, in a clean and dry environment. Rolls should be protected against weather and should be stored on end. Do not crush the product.



Description	Product Code	Roll Size	Area	GSM
DuPont™ Tyvek® HomeWrap®	700001	2740mm x 30m	82m <sup>2</sup>	61gsm
Tyvek® Contractor Tape	780010	48mm x 50m		
DuPont™ Tyvek® Flexwrap™ – 152mm	701200	152mm x 22.9m		
DuPont™ Tyvek® Flexwrap™ – 228mm	701201	228mm x 22.9m		
DuPont™ Flashing Tape – 101mm	780011	101mm x 22.9m		
DuPont™ Flashing Tape – 152mm	780012	152mm x 22.9m		
DuPont™ Flashing Tape – 228mm	780013	228mm x 22.9m		

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