

DuPont™ Tyvek® Metal

INSTALLATION INSTRUCTIONS



DuPont™ Tyvek® Metal is a unique roofing underlay which combines a synthetic underlay with a drainage mat, the mat is a 7mm high 3-dimension polyolefin mesh.

It is used in roofing applications where the roofing material needs to be air separated from the underlay and it has an integrated tape system for ease of in-situ edge sealing. Recommended on any application where extra ventilation is required.

This creates a highly vapour-permeable, yet water-resistant and airtight product that reduces the risk of condensation in a roof system.

DuPont™ Tyvek® Metal can be used in:

- Residential and commercial roofing under profiled metal cladding, metal tiles, concrete tiles, clay tiles and asphalt shingles over steel or timber framing
- Residential and commercial wall applications under direct fixed absorbent and non-absorbent claddings
- Residential and commercial wall applications under wall cavity with absorbent and non-absorbent claddings
- Shed and farm buildings under profiled metal roof and wall cladding direct fixed over timber or steel frames.

CONSIDERATIONS

DuPont™ Tyvek® Metal **shall be** installed in accordance with New Zealand Building Code Compliance Document E2/AS1, NZMRC Roofing Code of Practice

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

- Used as a vapour barrier
- Installed under translucent cladding or skylights
- Installed horizontally on purlin spacings of greater than 1350mm to allow for 150mm laps.

LOSP Treated timber

If installed over LOSP treated timber, ensure that timber is dry and solvent free.

Flammability

DuPont™ Tyvek® Metal has a flammability index of more than 5 and is classified as a non fire retardant underlay.

INSTALLATION GUIDELINES

- Contributions to compliance with Building Code clause H1.3.1(b) is conditional on horizontal and vertical laps being securely taped
- Allow for a 150mm lap vertical or horizontal
- Shingle lapped minimum 150mm when laid horizontally for roof pitches above 3°
- When installed below 10°, it may be run horizontally or run vertically supported by mesh or similar substrate
- When installed on a roof pitch equal or greater than 10°, it may be run horizontally or vertically without support
- Install as to ensure water sheds to gutter

DuPont™ Tyvek® Metal

INSTALLATION GUIDELINES continued

- Laid continuously or lapped 150mm over framing. There is no limit on the length of run
- Support at purlin/rafter spans greater than 1200mm
- Secure adequately with galvanized or stainless-steel staples, clouts or purlin screws at maximum 600mm centres
- Always laid with black mesh facing outwards and pulled taut under the cladding to prevent ponding of condensation
- Sealed around penetrations to prevent water ingress into the roof or wall cavity
- Repaired by Tyvek® Contractor Tape if ripped or torn
- Discontinuous over the ridge where allowance for ridge venting is required
- Not permitted to be exposed to the elements after final cladding
- Finished 20-25mm beyond the valley or gutter edge, ensuring draining to the envelope exterior
- Install over gutter-flashing where there is likelihood of water ingress beyond gutter into the wall cavity

DuPont™ Tyvek Metal is designed for temporary weather protection during construction and as a secondary weather barrier in service.

Do not expose the roof underlay for as long as necessary and no more than 30 days.

DuPont™ Tyvek® Metal is suitable for use under dark coloured roofs

DuPont™ Tyvek® Metal can be installed on a sarked roof (such as plywood, timber or oriented strand board), self-supporting up to 1200mm between purlins/rafters/battens or on other supporting materials such as wire mesh or plastic strapping.

Storage

Store the product out of direct sunlight, in a clean dry environment, sheltered from the weather.

Condensation Management

Ensure that the building envelope design and construction adhere to sound condensation management principles, minimizing moisture ingress and maximizing drying capabilities of wall and roof cavities.



Description	Product Code	Roll Size	Area
DuPont™ Tyvek® Metal	702502	1500mm x 25m	37.5m ²

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