



Marshall
Waterproofing
Professional Solutions

**SPECIFICATION
FOR
TEKTON
BUILDING WRAP**

BRANZ Appraisal Certificate # 548 (2007)

www.mwnz.com



TEKTON SPECIFICATION

PRODUCT DESCRIPTION

Tekton Building Wrap is a synthetic breather-type building wrap for use as a wall wrap and air barrier under direct and non-direct fixed wall cladding on timber and steel framed buildings. The product is a coated spun-bonded polypropylene, and is approximately 0.6mm thick. Tekton Building Wrap is supplied in rolls 2740mm x 37m and 1370mm x 74m.

FEATURES /BENEFITS

- Tekton Building wrap can be used in all wind zones up to and including very high.
- Tekton Building Wrap is fire retardant with a zero flammability index and can be used without restriction on all buildings, however must be separated from fireplaces, heating appliances, flues and chimneys in accordance with the NZ Building Code.
- Tekton Building Wrap can be installed as an air barrier to walls that are not lined, such as gable ends.
- Tekton Building Wrap has superior water hold out - keeping framing drier while permanent cladding is installed.
- Tekton Building Wrap has 50 year durability.
- Tekton Building Wrap can be left exposed for up to 60 days.
- Tekton Building Wrap has optimal surfactant resistance (will not lose integrity if exposed to soaps, detergents and cleaning chemicals).
- Tekton Building Wrap is Branz appraised # 548 (2007)
- Tekton Building Wrap can be used as a non rigid backing material for stucco plaster and as a slip layer over rigid backing for stucco plaster.
- Tekton Building Wrap is compatible with metal cavity battens.

APPLICATION RANGE

TIMBER FRAMED BUILDINGS

- With absorbent wall claddings directly fixed to the framing.
- With absorbent and non-absorbent wall claddings installed over an 18mm minimum drained cavity.
- With masonry veneer.
- In building wind zones up to and including very high.

STEEL FRAMED BUILDINGS

- With absorbent and non-absorbent wall claddings installed over an 18mm minimum drained cavity.
- With masonry veneer.
- In building wind zones up to and including very high.

Tekton Building Wrap can also be used on buildings subject to specific weathertightness design.

STORAGE

Tekton Building Wrap must be stored on its end in a clean and dry environment. It is the responsibility of the installer to protect the roll from damage and weather.

SURFACE PREPARATION

Studs must be provided at a maximum of 600mm centres. Nogs must be fitted flush between the studs at a maximum of 1200mm centres. The framing must be free from any sharp protrusions that may damage the wrap.

TEKTON



INSTALLATION

PLACEMENT

- The branded side of the wrap must face away from the framing.
- The wrap must run horizontally.
- The wrap must extend from the upper side of the top plate to the underside of the bearers or wall plates supporting ground floor joists, or below bottom plates on concrete slabs.
- Horizontal laps must be no less than 75mm with the direction of the lap ensuring that water is shed to the outside.
- End laps must be made over framing and be no less than 150mm wide.

It is preferable to tape all joins.

APPLICATION

- Position the roll of Tekton Building Wrap against the framing with a short length of wrap free of the roll.
- Align the guide marks printed on the Tekton Building Wrap with visible studs and nail /staple to the framing

Fix the wrap into place using 6-8mm zinc plated staples, hot dip galvanised large head clouts or proprietary wrap fixings.

- Unroll the wrap across the framing and fix to all framing members at a maximum of 300mm centres.
- Keep the wrap straight and taut over the framing.
- The wrap should be run over any openings and these should be left covered until the windows and doors are ready to be installed. To form the openings cut the wrap at a 45 degree diagonal in from each corner. Fold and staple the wrap to the inside of the framed opening. Excess wrap can be trimmed to finish flush with the internal face of the framing.

- All openings must be detailed using a Branz appraised flexible flashing system like Protecto Wrap One Piece Sill Tape or the Protecto Wrap Sill System.
- Where cavity battens are installed at greater than 450 mm centres, the wrap must be supported between the battens to prevent the wrap bulging into the cavity space when insulation is installed.
- Tekton Building Wrap can be added as a second layer over head flashings as per E2/AS1 or the headflashing can be sealed to the wrap using Protecto Wrap Head Flashing Tape.
- Any damaged areas of the wrap must be repaired by overlapping with new material and taping, or by taping small tears .

When fixing wrap in windy conditions, care must be taken due to the large sail area created by the roll widths.

WARRANTY

Tekton Building Wrap meets the durability requirements of NZBC B2.3.1(a), 50 years and B2.3.1(b), 15 years. Tekton Building Wrap is warranted to be free of defect in manufacture. This warranty is limited to replacement of the Tekton Building Wrap material. Marshall Waterproofing NZ/AUS Ltd (the distributor) is not liable for incorrect installation or any accidental or wilful damage to the product.

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