

Thermakraft™

— 290 —

The Intelligent HOUSEWRAP



BRANZ Appraised



High Water Barrier



Fire Retardant



Breathable



Absorbent



Wind Barrier

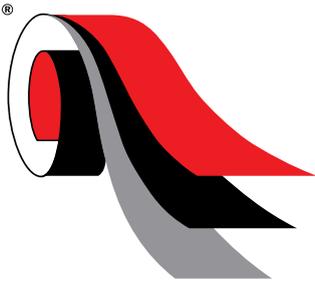


Translucent



HOUSEWRAP

THE THERMAKRAFT 290



Thermakraft™

290

The Intelligent HOUSEWRAP

Thermakraft 290 housewrap is a coated, non woven polyolefin, specifically designed as a housewrap behind exterior wall claddings. It can be used as a housewrap on timber and steel framed buildings with absorbent and non-absorbent wall claddings direct fixed to framing eg: Brick Veneer, Weatherboard, Fibre Cement, Polystyrene, Corrugated Iron etc.



Breathable

Provides High level of water vapour / air permeability. Allows the building to breathe. Ideal for use in climatic areas of high condensation risk.



Wind Barrier

Has a "Very High" Wind Zone rating as standalone underlay. Can also be used as an air barrier where walls are not lined & Gable ends. Will provide temporary weather protection during construction (42 days).



High Water Barrier

Offers a high degree of water resistance & a barrier to wind driven rain.



Translucent

Nog and stud lines are visible.



BRANZ Appraised

Complies with Australian standards [AS4200]



Fire Retardant

Has a Flammability Index of ≤ 5



Absorbent

Has a absorbency rating of $\geq 100\text{gsm}$. Able to hold water where there is high level of condensation and dry out with air flow.

Warm ✓ Safe ✓ Dry ✓

The miracle product that every home needs.

✓ 'R' RATINGS

Contributes to the overall thermal rating and must be used in conjunction with wall batts to meet the minimum 'R' rating requirements.

✓ QUICK INSTALLATION

The quick convenient 2.740m rolls allows for one application and halves the time of conventional wraps.

✓ STRENGTH

Meets the edge tear to extra high.

✓ THERMAL EFFICIENCY

With less gaps and joins for air to penetrate.

✓ NON-PERFORATED

Offers high degree of water resistance.

✓ PROTECTION

Protects window openings.

✓ LIGHTWEIGHT

Rolls are light and easy to use.

✓ CUSTOM PRINTS

Can be custom printed on request.



APPLICATION & INSTALLATION

- 1 Thermakraft 290 must be fixed with printed side out and the non-printed side to the frame. Apply to all exterior walls from below bearers to the top plate. Fix securely to the frame with fasteners such as galvanized 8mm hammer tacker staples, or 20mm large head galvanized clouts at 300mm centres horizontally and vertically. Additional fasteners should be used around each opening to be cut.
- 2 When using either 2740mm or 1370mm width, a minimum of 150mm lap is required at joins and all vertical laps must be made over studs. Make good repairs on any forced tears with Thermakraft White General Purpose Tape or Thermakraft ALUBAND Window Sealing Tape.
- 3 Thermakraft 290 is wide enough to come from below the bottom plate to the top plate, covering all windows and door openings. Use extra fastenings around each window or door opening to be cut out. Fix securely to the frame with fasteners such as 8mm hammer tacker staples.
- 4 On arrival of doors and windows, cut the Thermakraft 290 at each opening on a 45 degree angle away from each corner. Pull the Thermakraft 290 flaps inside and fasten to inside of frame.
- 5 Thermakraft ALUBAND Window Sealing System or ALUBAND Xtreme should be applied as window flashing.

NOTE:

Fastenings behind Brick Veneer Claddings must have an equivalent service life to that of Brick Veneer. In masonry Veneer installations and Wall Cadding installations over a cavity, where the studs or cavity battens are installed at greater 450mm centres, the underlay must be supported to prevent underlay bulging into the cavity space where wall batts are installed in the wall frame cavity.

TECHNICAL SPECIFICATIONS

AS/NZS 4200: 1994 AS A WALL UNDERLAY REQUIREMENTS

AS/NZS 4200 WALL UNDERLAY PROPERTIES	TEST METHOD	PROPERTY PERFORMANCE
Duty	Edge Tear	Extra Heavy
	Tensile Strength	Light (Wall)
Vapour Barrier	ASTM E96 Procedure B	Low
Emittance	AS/NZS 4201.5	Non-Reflective
Water Barrier	AS/NZS 4201.4	High
Absorbency	AS/NZS 4201.6	High
Shrinkage	AS/NZS 4201.1	≤ 0.5%
Fire Resistance	AS 1530:Part 2	Low

Thermakraft 290 can be used as a wall sarking on buildings within the following scope:

- Class 1 and Class 10 buildings; and,
- Class 2 to Class 9 buildings subject to specific weathertightness design; and,
- With absorbent and non-absorbent wall claddings directly fixed to framing; and,
- With masonry veneer in accordance with BCA; and,
- Situated in non-cyclonic Wind Zones up to and including N3; and,
- Constructed with timber framing in accordance with the BCA, or steel framing in accordance with the BCA.

Flammability Index
Thermakraft 290 has a Flammability Index of ≤ 5 and therefore has a Flammability Classification of Low in accordance with AS 1530.2.



Roll Dimensions:
2740 mm x 30m = 82m²
1370mm x 36.5m = 50m²

LOSP

Thermakraft 290 is unaffected by LOSP solvent based timber treatments.



DURABILITY

! MUST NOT BE USED AS A ROOF UNDERLAY

Thermakraft 290 is intended to be fixed over timber or steel framed walls, in order to limit the entry of wind into building cavities, and to act as a secondary barrier to wind driven rain.

Thermakraft 290 meets the Performance Requirements of BCA Volume 1 - Class 2 to Class 9 Buildings, Part F1 - Damp and Weatherproofing: Performance Requirement FP1.4: Thermakraft 290 will contribute to meeting this requirement. BCA Volume 2 - Class 1 and Class 10 Buildings, Part 2.2 Damp and Weatherproofing: Performance Requirement P2.2.2.

Thermakraft 290 will contribute to meeting these requirements providing it:

- is not damaged
- is installed in accordance to the "Application & Installation Guidelines"
- is not left exposed for more than 42 days
- is installed by competent tradespersons with an understanding of wall sarking (underlay) installation
- is compatible with cladding system used
- is stored in clean dry conditions and not in an area with direct sunlight



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The recommendations contained in Thermakrafts literature are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to any conditions contained in the Warranty. All product dimensions and performance claims are subject to any variation caused by normal manufacturing process and tolerances. Furthermore, as the successful performance of the relevant system depends on numerous factors outside the control of Thermakraft (for example quality of workmanship and design), Thermakraft shall not be liable for the recommendations in that literature and the performance of the Product, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code, regulations and standards.