



**Thermakraft**  
**ONE WRAP**  
**SYSTEM**  
 10 Products - One system  
 One warranty

# Product Data Sheet

# ONE WRAP SYSTEM

**10 Products, One System, One Warranty**

Thermakraft's One Wrap System is a ten product integrated solution designed to assist with the passive control of air and moisture in buildings constructed in compliance with NZS3604:2011 and the requirements of all relevant compliance documents.

Smarter products. Better buildings.  
**thermakraft.co.nz**

## Synthetic Wrap

- Watergate Plus
- Thermakraft 220
- Covertex 403

## Window Flashing Tape

- Aluband Bituminous Window Flashing Tape
- ThermoFlash Window Flashing Tape

## Underlay Strap

- ThermoStrap
- Stud Strap

## Penetration Seals

- OneSeal Multi-fit Pipe & Cable Penetration Seals

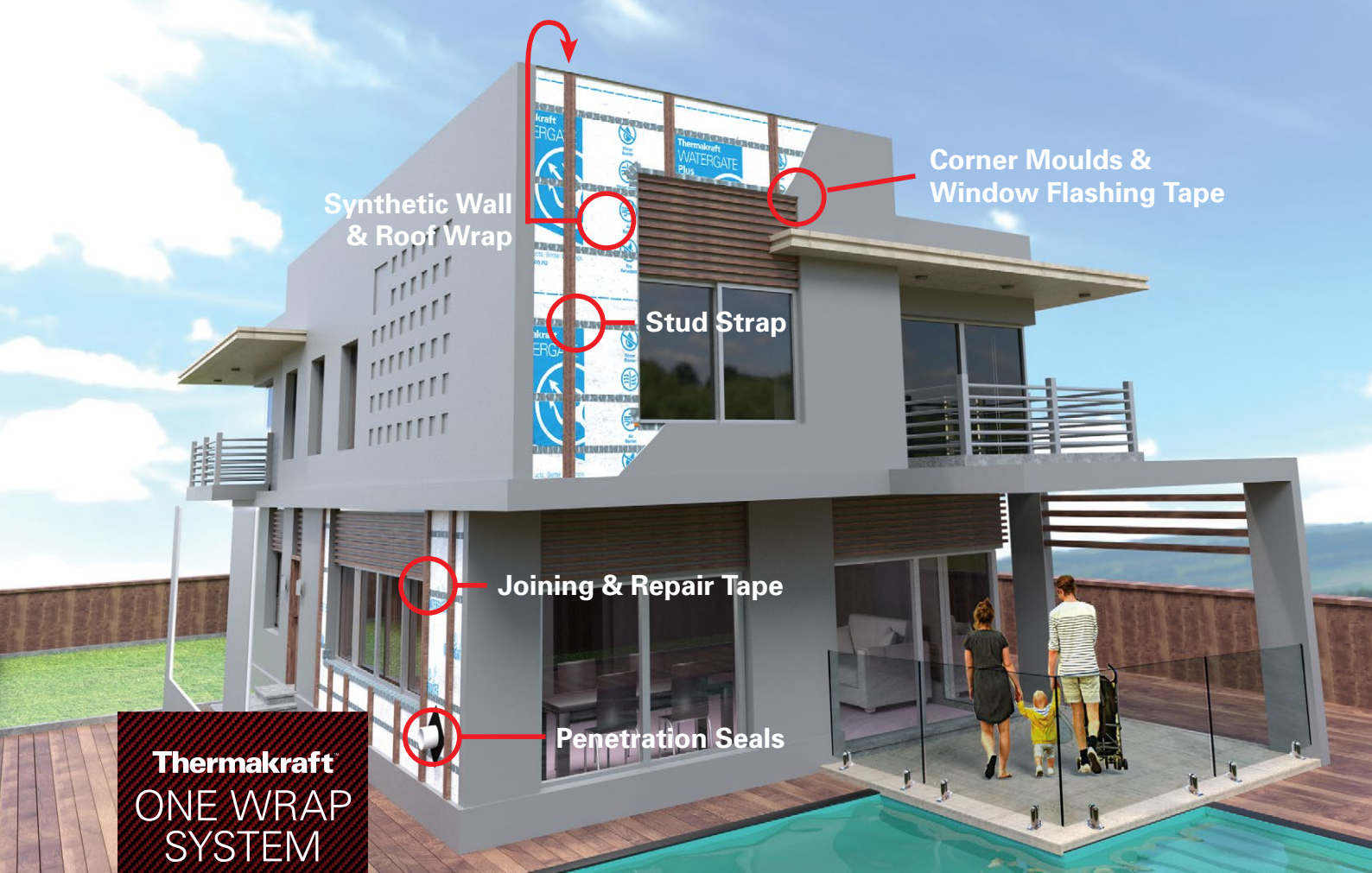
## Corner Moulds

- Thermakraft Corner Moulds

## Joining & Repair Tape

- White General Purpose Tape





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## Watergate Plus



BRANZ Appraisal 695 [2017] and CodeMark product.

New Zealand's premium all-purpose, fire retardant wall wrap, Watergate Plus is made from synthetic materials. It is fire retardant, water resistant and vapour permeable.

## Corner Moulds

Thermakraft Corner Moulds are flexible, strong and durable. Available in two size packs of 20 or 50 pieces, these plastic corner moulds are flexible, non-rust and low profile, providing a neat and precise corner finish. Must be used in conjunction with Thermakraft Window Flashing Tapes.

## Thermakraft 220



BRANZ Appraisal 912 [2016]  
 Lightweight synthetic, fire retardant wall wrap for use with timber or steel framing behind absorbant or non-absorbant wall claddings, either direct fix or with a cavity.

## Stud Strap

Lightweight, high strength roof and wall underlay support, ideal for large wall applications to restrict bowing of wall underlays in drained cavities and to support non self-supporting roof underlays.

## Thermastrap

High strength roof and wall underlay support, ideal for large wall applications to restrict bowing of wall underlays in drained cavities, and to support non self-supporting roof underlays.

## Covertex 403



BRANZ Appraisal 918 [2016]  
 Non self-supporting fire retardant synthetic roof and wall underlay. Suitable as a roof and wall underlay on both timber and steel framed buildings, with both absorbent and non-absorbent claddings that are either direct or cavity fixed.

## White General Purpose Tape

White GP Tape has a high performing acrylic adhesive giving it superior bonding in a wide range of environments. GP Tape is easy to apply and is commonly used on synthetic underlays, or damp-proof membranes such as Thermathene. It is also ideal for sealing edges of vapour control layers.

## Product Suitability Table

Application	Watergate Plus	Thermakraft 220	Covertex 403
Timber framing	✓	✓	✓
Steel framing	✓	✓	✓
NZBC 3604 Wind Zone (up to and including)	1. Very High, when used as a standalone flexible underlay 2. Extra High, when used in conjunction with a rigid wall underlay.		
Suitable with a drained cavity	✓	✓	✓
<b>Suitable to direct fix behind:</b>			
Timber	✓	✓	✓
PVC	✓	✓	✓
Profiled metal	✓	X	✓
Suitable as an air barrier	✓	X	✓
Fire retardant	✓	✓	✓
<b>Suitable with:</b>			
Aluband Window Flashing Tape (Bituminous)	✓	✓	✓
Thermaflash Window Flashing Tape	✓	✓	✓
OneSeal Penetration Seals	✓	✓	✓

✓ = Suitable X = Not suitable. The above is a reference guide. See product data sheets for individual details approvals and compliances.

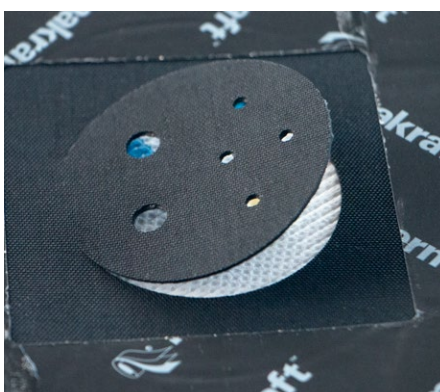
### OneSeal Multi-fit Pipe & Cable Penetration Seals

BRANZ Appraisal 942 [2017]  
OneSeal is a unique multi-fit system providing air and water resistance for pipes and cables. Simple to install with no need for special tools, glue or tapes, they are extremely airtight and provide high strength adhesion to a wide range of substrates. Compatible with most building membranes and rigid air barriers. OneSeals have pre-punched markings suitable for a range of sizes (see below).



### Aluband Window Flashing Tape (Bituminous)

BRANZ Appraisal 878 [2014]  
Premium flexible window flashing tape made with a heavy bituminous adhesive, Aluband provides high strength bond and excellent abrasion resistance.  
For use around framed joinery openings in conjunction with Thermakraft Corner Moulds as a secondary weather resistant barrier and also at joinery heads to seal flashing upstands to the wall underlay.



### Thermaflash Window Flashing Tape

BRANZ Appraisal 1122 [2020]  
Thermaflash is a high performance self-adhering window flashing tape. The advanced adhesive technology provides a high strength bond to most building surfaces and wall underlays. Thermaflash can be installed in a wide range of temperatures and can withstand UV exposure for up to 180 days. It is suitable for residential building (E2/AS1, E2/AS4) and medium rise buildings (E2/VM2). Most window sealants will bond directly to Thermaflash. It is installed in conjunction with Thermakraft Corner Moulds into and around window and door openings, as well as other wall penetrations, over the wall underlay and exposed frame to cover both the face and edge of the opening as a secondary weather resistant barrier. Also used at joinery heads to seal flashing upstands to the wall underlay.



# One Wrap System Technical Specifications

## Technical Literature

Refer to the cited BRANZ appraisals for individual product code compliance information - [www.branz.co.nz/Appraisals](http://www.branz.co.nz/Appraisals)

Refer to the Thermakraft website [thermakraft.co.nz](http://thermakraft.co.nz) for details of the current Technical Literature for product information. The Technical Literature must be read in conjunction with the BRANZ appraisal. All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

The products included in the system and shown in this data sheet, are intended to be installed in accordance with the Thermakraft installation instructions.

## Scope

See product technical data sheets for individual suitability refer [thermakraft.co.nz](http://thermakraft.co.nz)

The Thermakraft One Wrap System has been developed for use as a flexible wall underlay system on timber and steel framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and
- with direct fixed absorbent wall claddings; or
- with direct fixed non-absorbent wall claddings (for Watergate Plus and Covertex 403 wall underlays), or direct fixed non-metallic, non-absorbent wall claddings (Thermakraft 220); or
- with absorbent and non-absorbent wall cladding installed over an 18 mm minimum drained cavity; or
- with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or specific design for steel framed building; and
- situated in NZS 3604 Wind Zones up to and including 'Very High'.

The Thermakraft One Wrap System has been appraised for use as a flexible wall underlay system over rigid wall underlays on timber and steel framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards building height and floor plan area; and
- with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; or

- with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or specific design for steel framed buildings; and
- situated in NZS 3604 Wind Zones up to and including 'Extra High'.

The Thermakraft One Wrap System is also suitable for use on buildings subject to specific weather tightness design. Building designers are responsible for the building design and for the incorporation of the Thermakraft One Wrap System into their design in accordance with the declared properties and the instructions of Thermakraft Limited.

## Building Regulations

The Thermakraft One Wrap System is a selection of Thermakraft products that if used in accordance with good design, correct product selection and installed in accordance with the Thermakraft installation instructions will meet, or contribute to meeting, the following provisions of the New Zealand Building Code:

- Clause B2 DURABILITY: Performance B2.3.1 (a), not less than 50 years, B2.3.1 (b), 15 years and B2.3.2. The Thermakraft One Wrap System meets these requirements.
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. When used as part of the cladding system, Thermakraft One Wrap System will contribute to meeting this requirement.
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The Thermakraft One Wrap System meets this requirement and will not present a health hazard to people.

## Limitations and Conditions

- Installation must always be carried out in accordance with the Thermakraft Technical Literature and the BRANZ Appraisals by or under the supervision of a Licensed Building Practitioner with the relevant License Class.
- The products must be handled and stored, whether on or off site, under the control of the installer. The products must be protected from damage and weather. They must be stored on end, under cover, in clean, dry conditions and must not be crushed.
- Thermakraft Limited will not warrant any product over-exposed to weather - see Maximum Exposure Time chart below.

### Maximum exposure time prior to cladding

Product	Watergate Plus	Thermakraft 220	Covertex 403	OneSeal Pipe & Cable Seals	Thermaflash Window Flashing Tape	Aluband Window Flashing Tape (Bituminous)
<b>Max days exposure</b>	60 days	42 days	42 days	90 days	180 days	42 days

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