

PRODUCT TECHNICAL STATEMENT

<i>Material, product or form of construction</i>	<i>Fastwrap Flamespec HW</i>
<i>Issued by (company)</i>	<i>Integra Building Products</i>
<i>Reference number</i>	<i>DSL-20220105 Fastwrap Flamespec HW</i>
<i>Version and date of issue</i>	<i>Approved 20211208</i>

PRODUCT DESCRIPTION

Fastwrap Flamespec HW Roof Sarking is a synthetic building sarking for use under roof claddings. The product consists of micro-porous water resistant film laminated between two layers of non-woven spun-bonded polyolefin.

APPLICATION AND INTENDED USE

Fastwrap has been appraised for use as a roof 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,
- Constructed with timber or steel framing in accordance with BCA; and,
- With masonry, metal, tile, and profiled metal roof cladding; and,
- with masonry veneer in accordance with BCA; and,
- situated in non-cyclonic wind zones up to, and including N3

COMPLIANCE WITH THE NATIONAL CONSTRUCTION CODE

Performance Requirement	Meeting the Requirement
NCC 2019 Volume 1 parts F1 – Damp and Weatherproofing	Performance requirement FP1.4. Fastwrap Flamespec HW Roof Sarking will contribute to meeting this requirement. Refer to BRANZ Appraisal 13.1 and 13.2
NCC 2019 Volume 1 Section C1.9(e)(vi) and Volume 2 Section 3.7.1.1(f) – it does not exceed 1mm in thickness and.	Tested to AS1530.2 has a thickness less than 1mm has a Flammability Index ≤ 5
NCC 2019 Volume 1 Specification C1.10 Table 4	Specification C1.10 Clause 4 for sarking material. When tested to AS1530.2 this product has Flammability index less than or equal to 5

Test Standard	Test Type	Report
AS/NZS 4200.1	Material Properties	BRANZ Appraisal No.1014[2019]

AS/NZS 4200.1 Properties MD = Machine Direction CD = Cross Direction	Property Performance Requirement	Actual Property Performance	AS/NZS 4200.1 Classification
Resistance to dry delamination	Pass/Fail	Pass	Not Applicable
Resistance to wet delamination	Pass/Fail	Pass	Not Applicable
Shrinkage	≤ 0.5%	Pass	Not Applicable
Folding Endurance MD	≥ 2.00 Log ₁₀ Folds	≥ 4	Not Applicable
Folding Endurance CD	≥ 1.70 Log ₁₀ Folds	≥ 3.4	Not Applicable
Absorbency	≥ 100 g/m ²	Pass	High
Vapour Barrier	≤ 7 MN s/g	Pass	Low
Water Barrier	≥ 100 mm	Pass	High
Emittance			Non-reflective
Tensile Strength MD		4.0 kN/m	Unclassified
Tensile Strength CD		2.3 kN/m	Unclassified
Edge tear resistance MD	≥ 90 N	200 N	Extra Heavy
Edge tear resistance CD	≥ 90 N	110 N	Extra Heavy
Flammability	≤ 5	Pass	Low

LIMITATIONS OF USE

In a fire control room or fire-isolated stairway, a material used as an attachment or part of an attachment to a building element must, if combustible, be attached directly to a non-combustible substrate and not exceed 1 mm finished thickness.

The certifier needs to assess its compliance to BAL 12.5-FZ as per AS3959

The product provides a separation to form an air gap, with an emittance of 0.9

The product should be covered as soon as practical to avoid nail tear caused by wind.

The product is used for vertical applications not for roof cladding

CONDITIONS OF USE

Store in original packaging to avoid deterioration from UV light.

Service temperature is -55°C to 120°C

INSTRUCTIONS FOR DESIGN, CONSTRUCTION OR INSTALLATION

Isolate power in installation area.

Design Information

Condensation is a complex subject, Class 3 and 4 vapour barriers are suitable for NCC climate zones 4-8, when installed as per BRANZ appraisal. Refer to the engineers recommendation if a thermal break and Class 1 air and vapour barrier is required for the above climate zones. Refer to DeSilvaLine HR for Class 1 Vapour Barrier.

- Fast Wrap Flamespec HW Roof Sarking is suitable for use at roof pitches 3° and above. When used at pitches less than 10°, Fast Wrap Flamespec HW Roof Sarking can be installed horizontally or vertically when fully supported by a corrosion resistant roof sarking support. At

itches 10° and greater, Fast Wrap Flamespec HW Roof Sarking can be installed horizontally or vertically, spanning no greater than 1200 mm between supports.

- Fast Wrap FlameSpec HW Roof Sarking provides a degree of temporary weather protection during the early construction. However, the product will not make the roof weathertight and some wetting of the underlaying structure is always possible before the roof cladding is installed. Hence, the entire building must be closed-in and made weatherproof before moisture sensitive materials such as ceiling linings and insulation materials are installed.
- Fast Wrap FlameSpec HW Roof Sarking is intended for use as an alternative to conventional kraft paper roof underlays, which are fixed over timber or steel framed roofs to limit the entry of wind into the roof cavity, and to assist in the moisture management of the roof cladding system.
- Fast Wrap FlameSpec HW Roof Sarking must not be exposed to the weather or ultra violet light for a total of more than 7 days before being covered by the roof cladding.
- Fast Wrap FlameSpec HW Roof Sarking is deemed to be a satisfactory sarking material for the proofing of roofs in accordance with BCA Volume L Paragraph F1.6 and Volume 2, Section P2.2.2 for roofs.

Fastwrap Flamespec HW installation must be carried out by a competent tradesperson with an understanding of roof sarking installation.

- Fast Wrap FlameSpec HW Roof Sarking must be fixed to all framing members at maximum 300 mm centres with large-head clouts 20 mm long, 6-8 mm staples, self-drilling screws or proprietary sarking fixings. The sarking must be pulled taut over the framing before fixing.
- Fast Wrap FlameSpec HW Roof Sarking may be installed horizontally or vertically at roof pitches 3° and above [refer Paragraph 7.1 for further guidance). It must extend from the ridge and overhang the fascia board by 20-25 mm. Vertical laps must be no less than 150 mm wide. Horizontal laps must also be no less than 150 mm, with the direction of the lap ensuring that water is shed to the outer face of the underlay. End laps must be made over framing and be no less than 150 mm wide.
- When fixing the product in windy conditions, care must be taken due to the large sail area created by wide roll widths.
- Any damaged areas of Fast Wrap FlameSpec HW Roof Sarking, such as tears, holes or gaps around service penetrations, must be repaired. Damaged areas can be repaired by covering with new material lapping the damaged area by at least 150 mm and taping, or by taping small tears.

MAINTENANCE INSTRUCTIONS

Inspect for discontinuities where weatherproofing is not achieved. Replace or tape with Fastwrap Tape

SUPPORT

Integra Building Products is the local representative for Fastwrap and is the first point of contact. Bayonet (Paul Industries) are the importer of Fastwrap into Australia and provide warranty.