

EUROTECT FLASHING SYSTEM

PURPOSE

The Eurotect Flashing System is an external weatherproof flashing system specifically designed for use with recessed window and door joinery, which reduces the effects of thermal bridging.

EXPLANATION

The Eurotect Flashing System is manufactured from extruded and forged aluminum alloy (6060 T5) to AS/NZS 1866:1997 and then powder coated. It provides an effective seal, transferring moisture external of the cladding.

The system comprises:

- head flashing
 - jamb flashing
 - sill flashing
- and connecting accessories:
- head end caps (50 mm)
 - rear diverter flashing (46 mm and 54 mm)
 - sill end caps (50 mm and 80 mm)

The system is designed to accommodate most cladding systems because of the selection of head and sill flashing depths.



For further assistance please contact:

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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In locations with a wind design pressure (ULS) of up to and including 2.5 kPa (which includes all NZS 3604:2011 wind zones up to and including extra high). In all exposure zones.	<ul style="list-style-type: none"> ➤ The window structural frame, flexible underlay/rigid air barrier and cladding must also be suitable for the wind zone. ➤ Fixings must comply with Tables 20 and 21 of E2/AS1 for applicable exposure zones as defined in NZS 3604:2011. ➤ Where adverse microclimate conditions apply, as set out in paragraph 4.2.4 of NZS 3604:2011, contact Eurotect Flashing Solutions Ltd for technical advice.
Building In conjunction with timber or lightweight steel framing that complies with the relevant provisions of the NZ Building Code for the site and location, or for existing buildings where the designer and/or installer have established that it is fit for the intended building work. With buildings of all building heights up to the permissible wind design pressure of 2.5 kPa. With cladding that complies with the relevant provisions of the NZ Building Code for the site and location. In conjunction with a flexible building wrap or rigid air barrier (RAB). With aluminium or aluminium/wood joinery that complies with all relevant provisions of the NZ Building Code. With uPVC joinery that complies with all relevant provisions of the NZ Building Code.	<ul style="list-style-type: none"> ➤ For lightweight steel, thermal breaks must be installed. ➤ Must have 20 mm drained and vented cavity with minimum ventilation openings of 1000 mm²/m at the foot. ➤ Must have flexible building wrap or a rigid air barrier in accordance with Clause E2 External Moisture. ➤ The cladding must be installed over a ventilated and drained cavity system that complies with the NZ Building Code for the site and location. ➤ Use of flexible building wrap or RAB depends on wind zone and, as a minimum, meeting the performance characteristics of Table 23, E2/AS1.

USEFUL INFORMATION

For design, installation and maintenance information, refer to eurotect.co.nz.

OTHER CERTIFICATIONS AND APPROVALS

- QAS International. [19/03/2021] *Integrated Management System*, ISO 9001:2015, ISO 14001:2015. Certificate no. PAS99:2012.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Eurotect Flashing Solutions Ltd requirements, Eurotect Flashing System will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, b, h, m, q)	ALTERNATIVE SOLUTION	› Aluminium Alloy 6060 T5, manufactured in accordance with AS/NZS 1866:1997 [Ulrich Aluminium, 2021].
B2 Durability B2.3.2 (b)	VERIFICATION METHOD B2/VM1	› Aluminium extrusions are powder coated. Materials are comparable with similar building products by comparison with Table 20 of Acceptable Solution E2/AS1 and section 4 NZS 3604:2011 and Table 1 of Acceptable Solution B2/AS1.
E2 External Moisture E2.3.2, E2.3.5, E2.3.7 (a, b, c)	VERIFICATION METHOD E2/VM1	› Tested in accordance with E2/VM1 to 2.5 kPa [facadelab, 30/10/2020].
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	› Powder coating system is inert once dry.
H1 Energy Efficiency Provisions H1.3.1 (a, b), H1.3.3 (a, c), H1.3.2E	VERIFICATION METHOD H1/VM1	› Thermal performance modeling of the effects of the installation with Eurotect Flashing System on the performance of the window [Sustainable Engineering Ltd, 09/10/2020].

SOURCES OF INFORMATION

- › facadelab. [30/10/2020] *Testing of Eurotect Window Flashing System to the method of NZBC E2/VM1*. Test Report No. 19-17.
- › Sustainable Engineering Ltd. [09/10/2020] *Eurotect Recessed Flashing System. Thermal Performance Modelling*. Retrieved from <https://www.eurotect.co.nz/resources>. [Accessed on 10/03/2023].
- › Ulrich Aluminium. [2021] *Ulrich Aluminium Extrusion Catalogue Edition 18*. Retrieved from https://www.ullrich-aluminium.co.nz/pdfs/Brochure_pdfs/Extrusion-Catalogue-18.pdf. [Accessed on 10/03/2023]. <https://static1.squarespace.com/static/5ed5abdae72230999d427ce/t/603ec6bcab34106c1a2601f1/1614726849722/20201009EurotechFlashingThermalModelingWitAppendixCorrected.pdf>



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eurotect.co.nz/resources



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Eurotect Flashing Solutions Ltd confirms that if Eurotect Flashing System is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

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Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Eurotect Flashing Solutions Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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