



CERTIFICATE NO: CM70099

Date of issue: 22 April 2021

PRODUCT CERTIFICATE

Demilec Heatlok HFO Insulation



BUREAU
VERITAS

KEY INFORMATION

1 CERTIFICATE HOLDER DETAILS

ASCC Limited
Unit A/112 Bush Road,
Rosedale, Auckland 0632
New Zealand

Email: sales@ascc.net.nz
Phone: (+64) 9 966 2447
www.ascc.net.nz



2 PRODUCT CERTIFICATION BODY

Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC 3207
Australia

Ph: 1800 855 190
www.bureauveritas.com.au

Bureau Veritas Australia Pty Ltd

The complaints process for this certificate
can be found here:
www.bureauveritas.com.au/your-feedback

3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT

DEMILEC HEATLOK HFO insulation is a site-applied closed cell, medium density 2-part polyurethane spray-in-place foam thermal insulation product.

*Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.
Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use.*

4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT

DEMILEC HEATLOK HFO insulation is a thermal insulation product for walls, ceilings, roofs and underfloors.

Continuation of intended use can be found in item 8. Supporting Information about Intended use of Building Product or Method.

5 BUILDING CODE PROVISIONS

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).

B2 Durability: B2.3.1 (a)
E3 Internal moisture: E3.3.1 (contributes to)
F2 Hazardous building materials: F2.3.1
H1 Energy efficiency: H1.3.1 (a) (contributes to), H1.3.2E (contributes to)

How the building method or product complies or contributes can be found in item 12. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product that is the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.

This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.
CERTIFICATE V1.3

6 CONDITIONS AND LIMITATIONS OF USE

- Demilec Heatlok HFO Insulation is certified for use in:
 - timber framed buildings to NZS3604:2011 Timber-Framed Buildings, or
 - light steel framed buildings to NASH Standard Part 2:2019 Light Steel Framed Buildings, and
 - located in any climate zone
- Demilec Heatlok HFO Insulation shall not be installed as an exposed internal surface in a building or part of building where there is a requirement to comply with Building Code clause C3.4a). Where Demilec Heatlok HFO Insulation is installed in a space where the surface lining does have a requirement to comply with C3.4(a), Demilec Heatlok HFO Insulation shall be covered with a rigid sheet product of gypsum plasterboard, plywood, solid wood, wood composite, fibre reinforced cement, concrete or masonry that is not less than 9 mm thick.
- Demilec Heatlok HFO Insulation shall:
 - be installed by an ASCC Ltd trained and approved installer, and
 - in accordance with the Technical Manual for Demilec HFO, Version 2.0 March 2021, and
 - with sufficient thickness to achieve the R-value specified, but not less than 30 mm, and
 - with clearance as required around recessed light fittings, chimneys, flues and other hot surfaces, and
 - be protected from the weather within 6 months.

NOTE: Together, items 3, 4, 5 and 6 define scope of use.

7 HEALTH AND SAFETY INFORMATION

The compliance with any manufacturer's installation instructions, maintenance, OH & S statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.

8 SIGNATURES



Sam Guindi
Product Certification Manager

For and on behalf of
Bureau Veritas Australia Pty Ltd



Gray Gilbert
General Manager - NZ

For and on behalf of
ASCC Limited



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SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

Further details regarding the description of the product can be found in Technical Manual for Demilec HFO, Version 2.0, March 2021

10 SUPPORTING INFORMATION ABOUT INTENDED USE

Further details regarding the use of the product can be found in Technical Manual for Demilec HFO, Version 2.0, March 2021

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

For the purpose of calculating the thermal resistance of Demilec Heatlok HFO Insulation the thermal resistance per metre of thickness of insulation shall be taken as 44 m²-K/W.



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12 BASIS FOR CERTIFICATION

- B2 Durability - By testing and comparison with Verification Method B2/VM1
- E3 Internal moisture - By analysis and comparison with Acceptable Solution E3/AS1
- F2 Hazardous building materials - By analysis and comparison with the performance requirements of Building Code clause F2.3.1
- H1 Energy efficiency - By testing and comparison with Verification Method H1/VM1

13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B2 Durability (Amendment 12), 28 November 2019
2. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause H1 Energy Efficiency (Amendment 4), 28 November 2019
3. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause E3 Internal moisture 2nd edition (Amendment 7), 5 November 2020
4. ASTM EPD-085 Environmental Product Declaration according to ISO 14025 Spray Polyurethane Foam Insulation (HFO), 29 October 2018
5. Intertek Report Number 102680245-014b, Thermal transmission properties of Heatlok HFO, tested to ASTM C518 - 2915, 3 November 2016
6. QAI Laboratories Test Report No TJ4043-PT-1, Physical properties of Heatlok HFO, 9 January 2017
7. Technical Manual for Demilec HFO, Version 2.0, March 2021



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14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change to any of the following particulars:
- (i) the name, address, or contact details of the certificate holder:
 - (ii) any address of a location where a certified product is produced or manufactured:
- (b) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change, modification, or alteration to any of the following:
- (i) the certified building method or product:
 - (ii) the method of its production or manufacture:
 - (iii) the product quality plan prepared in respect of the certified building method or product:
 - (iv) the application or installation instructions for the certified building method or product:
 - (v) any documentation relating to the use and maintenance of the certified building method or product:
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body (Bureau Veritas) in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body (Bureau Veritas) finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
- (i) notifies all customers to whom the building method or product is regularly supplied; and
 - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.