Certificate of Conformity

Certification Body:

Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC, 3207
Ph: 1800 855 190
www.bureauveritas.com.au

Certificate Holder:

Gorter Hatches Pty Ltd
105 Wellington Street
St Kilda, VIC 3182
Ph: +61 3 8648 6636
www.gorterhatches.com.au
www.gorterhatches.co.nz

Certificate number: CM70087 Rev1

THIS TO CERTIFY THAT

Gorter Roof Hatches, Floor Doors, Stairs and Plenums

Type and/or use of product:
Roof hatches, floor doors, scissor stairs and plenums, providing access to trafficable roofs and floors.

Description of product:
Gorter roof hatches, floor doors, stairs, and plenums are pre-fabricated units for installation in floors or concrete, timber or steel roofs of pitch up to 30 degrees, providing access to trafficable roof areas and sub-ground spaces.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2019

	Volume One		Volume Two	
Performance Requirement(s)	BP1.1(a), limited to (b) (i,ii,iii,v) DP2(c)(i)(B),(ii,v) DP3(a,i) DP4 FP1.4*	Structural reliability Construction of exits Access for people with a disability Exits Weatherproofing	P2.1.1(a), limited to (b,i,ii,iii,v) P2.2.2* P2.5.1(b)	Structural stability and resistance Weatherproofing and dampness Movement to and within a building
Deemed-to-Satisfy Provision(s):	C1.1 interalia Spec C1.1 – See conditions and Limitations for achieved FRLs J1.2 as much as it is part of a system complying with J1.3 (contributes to)	Fire-Resisting Construction Building fabric	3.12.1.1 as much as it is part of a system complying with 3.12.1.2, 3.12.1.4 (contributes to)	Building fabric
State or territory variation(s):	NT Section J NSW Section J QLD Section J SA Section J1.3		NSW Part 3.12 does not apply (BASIX) NT Part 3.12 is replaced with BCA 2009 Part 3.12 QLD Part 3.12 Tas Part 3.12	

Sam Guindi – Product Certification Manager
Bureau Veritas Australia Pty Ltd

Quintin Kleyn – Unrestricted Building Surveyor
Hendry Group Pty Ltd

Date of issue: 16 February 2021

Date of Revalidation: 7 August 2023

Date of expiry: 16 February 2024

*Not applicable for WAG Models

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. Gorter RHT and RHTG roof hatches are suitable for use only in Non-Cyclonic Wind regions.
2. The RHTEI Fire rated hatches may be used where an FRL of up to -/120/120 is required.
3. Thermal resistance has ONLY been tested for roof hatches listed below and has achieved the following results:
   a) RHT-0700-0900 roof hatch achieves the following values: Uw = 0.319 W/m2K and Rw = 3.130 m2K/W
   b) RHTG-1000-1500 roof hatch achieves the following values: Uw = 0.833 W/m2K and Rw = 1.200 m2K/W
   c) RHTEI-7090 fire rated roof hatch achieves the following values: Uw = 0.5098 W/m2K and Rw = 1.962 m2K/W
4. Glazed floor doors WAG-1000-1000 and WAG-1000-2000 are suitable for use in trafficable conditions when subjected to a maximum concentrated load of 2.5kN and uniformly distributed actions of up to 5kPa.
5. Gorter Roof Hatches, Scissor Stairs, and Plenums are certified for use to access non-habitable spaces such as rooftop terraces, lofts, and attics in Class 1 and Class 10 buildings, and for maintenance access in Class 2 – 9 buildings.
6. Certification excludes:
   a) specification of the means of fixing roof hatches, floor doors and stairs to the roof and ceiling structure, or the floor structure, which shall be designed by a registered structural engineer (CPENG),
   b) specification of the openings made to accommodate this product, which shall be assessed by a registered structural engineer (CPENG) on a case-by-case basis,
   c) additional barriers to meet the requirements of AS1657:2018 when a roof hatch or floor door is open to meet the Deemed-to-Satisfy requirements of NCC 2019 D2.18 for plant rooms and other non-habitable spaces.
7. When applying DP4, the certifier should consider the other requirements of D1.16 and D2.18 and determine if the Gorter scissor stair and/or hatch are a suitable means of egress for the application which it is proposed.
8. These products have NOT been assessed against the requirements for bushfire construction in bushfire prone areas of the NCC.
9. Any motorised or electrical components of these products are NOT covered by this certification.
10. Gorter roof hatches, floor doors and stairs shall be installed in accordance with:
    a) Gorter Roof Hatches RHT User Information Guide, 2014 (Ref: 201402V25)
    b) Gorter User Information Scissor Stairs, 2013 (Ref: 201310V22)
    c) Gorter Manual: Extension of Scissor Stairs, 2013 (Ref: 201301V20) and
    d) Gorter Technical Data Sheet Roof Hatches RHT/RHTEI/RHTG, 2013 (Ref: 201309V5A).
11. Cleaning and maintenance of the hatch and scissor stair shall be carried out in accordance with the Gorter User Guides and at the specified time intervals.
12. Each product shall be used for its intended purpose.

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10 buildings

Certificate of Conformity

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim 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 product(s) referred to in this certificate.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Refer to Page 1.

A2 Description of product

Model names are listed below:

RHT Aluminium Roof Hatches: RHT7090, RHT9090, RHT7014, RHT1035, RHT1010, RHT1015, RHT1020, RHT9024

RHTG Glazed Roof Hatches: RHTG1015, RHTG9024, RHTG9030

RHTEI Fire Rated Roof Hatches: RHTEI7090, RHTEI9090, RHTEI7014, RHTEI1015, RHTEI1020, RHTEI1010, RHTEI9024

WAG Glazed Floor Door: WAG1010, WAG1020

Scissor Stairs: Type Small (700x900), Type Large (700x1200), Type EI60 (fire rated), Type XL (1000x1300)

Plenum: Plenum 2, Plenum 2XL, Plenum 3, Plenum 3XL, Plenum 4, Plenum 4XL

A3 Product specification

More information on specification can be found in the following brochures and datasheets:

- Gorter Brochure – Access through roof, Wall, Floor and Ceiling, Version 201910V115H (dated 2019)
- Gorter Brochure – Roof Hatch RHT, version 201910V11C (dated 2019)
- Technical Data sheet – Roof Hatches RHT/RHTEI/RHTX, version 201901V13B (dated 2019)
- Technical Data sheet –Roof Hatches RHTG/RHTE, version 201707V1F (dated 2017)
- Technical Data sheet – Scissor Stair, version 201904V2E (dated 2019)

A4 Manufacturer and manufacturing plant(s)

Gorter Group The Netherlands (GG) - Harmenkaag 1, Schagen, 1741 LA

Gorter Group Hungary (GHu) - 6000 Kecskemet, Sas, Utca 21

Gorter Group Italy (GI) - Via Nazionale 64, 39040 Ora (BZ)

A5 Installation requirements

- Gorter User Information Roof Hatches, RHT/RHTG/RHTX/RHTEP, Ref: 202006V50
- Gorter User Information Scissor Stairs, Small – Large – EL-60 – XL, Ref: 201910V33B
- Gorter User Information Hinged Floor Doors, WA, WAG, WAPT, WAEI and OP, Ref: 201910V16C

A6 Other relevant technical data

N/A

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

Structure

A2.2(2)(a)/A5.2(1)(e) - A certificate or report from a professional engineer or other appropriately qualified person (EMI, Atelier JV, SKG-IKOB)
A2.2(2)(a)/A5.2(1)(f) - Another form of documentary evidence, such as but not limited to a Product Technical Statement (Gorter Declaration of Performance)
A2.2(2)(a)/A5.2(1)(f) - Another form of documentary evidence, such as but not limited to a Product Technical Statement (Gorter statement of intended performance of each product type)

Access

A2.2(2)(c) – Expert Judgment (Hendry Group)
A2.2(2)(a)/A5.2(1)(f) - Another form of documentary evidence, such as but not limited to a Product Technical Statement (Gorter Product technical design data)

Weatherproofing

A2.2(2)(a)/A5.2(1)(e) – A certificate or report from a professional engineer or other appropriately qualified person (SKG-IKOB & Marecl)
A2.2(2)(a)/A5.2(1)(f) - Another form of documentary evidence, such as but not limited to a Product Technical Statement (Gorter declaration)

Fire Resistance

A2.3(2)(a)/A5.2(1)(e) – A certificate or report from a professional engineer or other appropriately qualified person (Efectis, Exova Warringtonfire)

Energy Efficiency

A2.3(2)(a)/A5.2(1)(e) – A certificate or report from a professional engineer or other appropriately qualified person (Eurosolid kft & Marecl)

B2 Reports

Structure

1. **EMI Non Profit Society For Quality Control And Building Innovation With Limited Liability, Test protocol via the test loading of the thermally insulated roof hatch, Report Number: M1-É162K-00502-2012 (dated 30 July 2012)**

This report confirms that the RHT Aluminium Roof Hatches meet the requirements of MSZ EN 1991-1-3:2005 for snow load actions to the weight of 1050kg or a distribution of 3.97 kN / m2

2. **Atelier JV, Certificate of Design Compliance, Ref: P23121, dated 14 July 2023**

This document provides the structural certification for the Gorter glazed hatch systems 2000mmx1000mm and 1000mm x 1000mm and determines that the products can withstand the following structural loads:

a. Live Load, Concentrated Action: 2.5 kN
b. Live Load, Uniformly Distributed Action: 5kPa
c. Wind Loads: 4kPa/-4kPa

3. **SKG, Test Report, Ball drop test on an aluminium roof hatch in accordance with CUAP 04.05 / 17 and EN 356, Report No: 13.00730 (dated 3 July 2014)**

This report provides the results to hard body impact testing to CUAP 04.05/17 and EN 356:2000 and determines that the Gorter Aluminium roof hatch complies with the requirements of these standards.

4. SKG-IKOB, Determination of-: Resistance to impact load according to NEN-EN 1991-1-1 + C1 / NB, Resistance to impact load according to EN 1873 + A1: 2016, section 6.5.2.3, of a metal roof hatch with the dimensions: 1721 x 1243 mm made from the system: Gorter manufactured from the profile system: RHTG-1000-1500, Project No: 712264 (dated 29 January 2019)
This report provides the results to testing of the Gorter Glass roof hatch to impact testing and determines that the product is suitable for absorbing impact with a kinetic energy of up to 800J.

5. Gorter Group BV, Declaration of Performance (DoP) for Roof hatch type RHTG (dated 06 January 2020)
This document provides a declaration of performance for material properties including the following;

- Water tightness (EN 12208:2000): Class E 2400
- Resistance to wind load (EN 12210:2016): Class E 2400
- Resistance to snow load (EN 1991-1-3:2003): 5 kN/m2
- Impact soft body (EN 13049:2003): Class 3

6. Gorter Group BV, Declaration of Performance (DoP) for Roof hatch type RHT (dated 06 January 2020)
This document provides a declaration of performance for material properties including the following;

- Water tightness (EN 12208:2000): Class E 650
- Resistance to wind load (EN 12210:2016): Class E 3000
- Resistance to snow load (EN 1991-1-3:2003): 3.97 kN/m2
- Impact soft body (EN 13049:2003): Class 5
- Impact hard body (EN 356:2000): Class P5A

7. Gorter Group BV, Product declaration for fire rated roof hatch model RHTEI (dated 04/01-2021)
This declaration from the manufacturer serves as supporting evidence for the RHTEI model complying with weatherproofing and structural requirements based on the design being the same as that of other models which have had testing under those conditions.

Weatherproofing

8. SKG-IKOB – Determination of: Air permeability according to EN 1026:2016, Water tightness according to EN 12155:2000, Strength under wind load according to EN 12211:2016 of a metal, outward opening roof hatch with the dimensions W x H: 1721 x 1243 mm, of the type: RHTG-1000-1500, Report No: 18.01083 (dated 28 January 2019)
This report provides the results to testing of various standards and concludes the Gorter Roof Hatch met the requirements for air permeability and watertightness of up to 650Pa and wind load strength of up to 2400Pa.

9. Marecl, Annex to SKG-IKOB #18.01083 Test Report (dated 25 January 2021)
This letter provides the opinion of a qualified engineer that the RHT RHTG and RHTEI roof hatches will all perform in an equivalent manner if tested in the same way the RHT model was tested in SKG-IKOB #18.01083 for watertightness.

Fire Resistance

10. Efectis, Declaration of Test Results, Certificate No: 2015-Efectis-R001575-D (Dated 21 December 2015)
This certificate provides the test results to EN 13501-2:2007+A1:2009 and concludes that the Gorter Fire Rated hatch RHTEI can achieve an FRL of -/120/120, and also confirms that the results are equivalent to testing to AS1530.4:2005

11. Efectis, Comparison of test methods EN 1634-1(2014) and BS 476:Part 22(1987), applied to Gorter Roof Hatch RHTEI, Ref 2016-Efectis-R000823/BGG/TNL (dated 14 July 2016)
This report provides the comparison of the test conducted to EN1634:2014 to BS476: Part 22, which is comparable to AS1540.4:2005, and determines that the Gorter Roof Hatch, type RHTEI has a fire resistance Integrity of up to 134 minutes and thermal insulation of 121 minutes.

12. Exova Warringtonfire, An assessment of Gorter RHTEI Insulated steel roof hatch if tested in accordance with AS1530.4-2014, Report No. RIR 50129100.1 (dated 31 July 2017)
This assessment provides the opinion of Exova Warringtonfire on the result of the RHTEI roof hatch if tested in accordance with AS1530.4:2014, based on test results to EN 1634-1:2014 carried out by Efectis Nederland BV, and determines that the product will achieve and FRL of -/120/120

Thermal

13. Eurosolid Kft, Numerical analysis of the thermal behaviour of Gorter RHT-0700-0900 roof hatch, Using EN ISO 10077:2017: Thermal performance of windows, doors and shutters - Calculation of thermal transmittance (dated 19 January 2018)
This report provides the results to testing to EN ISO 10077:2017 of the Gorter RHT roof hatch and returns a result for Thermal transmittance U-Value of 0.319 W/m2K and Thermal resistance Rw of 3.13m2K/W

14. Eurosolid Kft, Numerical analysis of the thermal behaviour of Gorter RHTG-1000-1500 roof hatch, Using EN ISO 10077:2017: Thermal performance of windows, doors and shutters - Calculation of thermal transmittance (dated 31 October 2018)
This report provides the results to testing to EN ISO 10077:2017 of the Gorter RHTG roof hatch and returns a result for Thermal transmittance of the hatch U-Value of 0.833 W/m2K and Thermal resistance of the hatch Rw of 1.2m2K/W

15. Marecl, Fire Rated Roof Hatch, RHTEI_7090, Thermal Behaviour Calculation (dated 04 January 2021)
This report provides the calculations conducted by a qualified and registered mechanical engineer, for the Gorter Fire Rated Fire Hatch RHTEI-7090, and returns a result for Thermal transmittance of the hatch U-Value of 0.5098 W/m2K and Thermal resistance of the hatch Rw of 1.962m2K/W

CodeMark

Certificate no: CMNZ70088
Version: 1
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Version date: 12 October 2023

Product Certificate

Gorter Roof Hatches, Floor Doors, Stairs and Plenums

1. Certificate Holder Details

Gorter Hatches Pty Ltd
Gorter Hatches New Zealand
Suite 8191, 17B Farnham St Parnell, Auckland
1052 New Zealand
Email: sales@gorterhatches.co.nz
Phone: 09 280 4726
www.gorterhatches.co.nz

2. Product Certification Body

Bureau Veritas Australia Pty Ltd
11/500 Collins Street
Melbourne VIC 3000 Australia
product.certification@bureauveritas.com
Ph: 1800 855 190
www.bureauveritas.com.au

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

Sam Guindi – Bureau Veritas Product Certification Manager

3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. 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. Continuation of description can be found in item 10 – Supporting Information about Description. [Delete if not applicable]. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

Gorter Roof Hatches, Floor Doors, Stairs and Plenums are prefabricated units for installation in floors or concrete, timber or steel roofs of pitch up to 30 degrees, providing access to trafficable roof areas and sub ground spaces.

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use. [Delete if not applicable]

Roof hatches, floor doors, scissor stairs and plenums, provide access to trafficable building roofs and floors.

5. New Zealand 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).

How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.

B1 Structure: B1.3.1, B 1.3.2, B1.3.3 (a, b, h, j) , B1.3.4
B2 Durability: B2.3.1 (b)
C3 Fire affecting areas beyond the fire source: C3.6 (contributes to)
D1 Access routes: D1.3.1 (c), D1.3.3
E2 External moisture: E2.3.1 (contributes to), E2.3.2 (contributes to), E2.3.7
F2 Hazardous building materials: F2.3.1, F2.3.3
H1 Energy efficiency: H1.3.1 (contributes to), H1.3.2E (contributes to)

CodeMark

Product Certificate

Gorter Roof Hatches, Floor Doors, Stairs and Plenums

BUREAU VERITAS

Certificate no: CMNZ70088
Version: 1
Original issue date: 16 February 2021
Version date: 12 October 2023

6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.

Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. Gorter roof hatches are certified for use in buildings:
   a. located in wind zones (as defined in NZS36042011) up to and including EXTRA HIGH, and
   b. located in snow zones (as defined in NZS3604:2011) up to 2 kPa snow loading, or by specific assessment of snow loading up to 3.5 kPa.
2. Gorter fire rated roof hatches (Model RHTEI) are certified for use in roofs where a fire resistance of up to -/120/120 is required.
3. Gorter floor doors are certified for use in buildings with a UDL floor load of up to 2kPa or a 1.8 kN concentrated load.
4. Gorter Stairs and Plenums are certified for use to access lofts and attics in housing, and for maintenance access in other buildings.
5. Certification excludes:
   a. specification of the means of fixing roof hatches, floor doors and stairs to the roof and ceiling structure, or the floor structure, which shall be designed by a Chartered Professional Engineer (Structural).
   b. specification of the openings made to accommodate this product, which shall be assessed by a Chartered Professional Engineer (Structural) on a case by case basis.
   c. additional barriers to meet the requirements of F4 Safety from Falling when a roof hatch or floor door is open.
6. Gorter roof hatches, floor doors and stairs shall be installed in accordance with:
   a. Gorter User Information Roof Hatches, RHT/RHTG/RHTX/RHTEP, Ref: 202006V50 (dated 2020)
   b. Gorter User Information Scissor Stairs, Small – Large – EL-60 – XL, Ref: 201910V33B (dated 2019)
   c. Gorter User Information Hinged Floor Doors, WA, WAG, WAPT, WAEI and OP, Ref: 201910V16C (dated 2019)

7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

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.

CodeMark

Product Certificate

Gorter Roof Hatches, Floor Doors, Stairs and Plenums

Certificate no: CMNZ70088
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8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B1 Structure - By testing and comparison with Verification Method B1/VM1
B2 Durability - By analysis and comparison with Verification Method B2/VM1
C3 Fire affecting areas beyond the fire source - By testing and comparison with Acceptable Solution C/AS2
D1 Access routes - By analysis and comparison with Acceptable Solution D1/AS1 and referenced standard EN 14975
E2 External moisture - By testing and comparison with Acceptable Solution E2/AS1
F2 Hazardous building materials – By comparison with the performance requirements of the Building Code clause F2.3.1, and by comparison with the requirements of Acceptable Solution F2/AS1
H1 Energy efficiency - By testing and comparison with Verification Method H1/VM1

9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. EMI Non Profit Society For Quality Control And Building Innovation With Limited Liability, Test protocol via the test loading of the thermally insulated roof hatch, Report Number: M1-É162K-00502-2012, 30 July 2012
2. Atelier JV Project No. P23121, Certificate of Design Compliance – Structure, 14 July 2023
3. SKG, Test Report, Ball drop test on an aluminium roof hatch in accordance with CUAP 04.05 / 17 and EN 356, Report No: 13.00730, 3 July 2014
4. SKG-IKOB, Determination of: Resistance to impact load according to NEN-EN 1991-1-1 + C1 / NB, Resistance to impact load according to EN 1873:2014 + A1: 2016, section 6.5.2.3, of a metal roof hatch with the dimensions: 1721 x 1243 mm made from the system: Gorter manufactured from the profile system: RHTG-1000-1500, Project No: 712264, 29 January 2019
5. Gorter Group BV, Declaration of Performance (DoP) for Roof hatch type RHTG, 06 January 2020
6. Gorter Group BV, Declaration of Performance (DoP) for Roof hatch type RHT, 06 January 2020
7. OROShazaGlas, Declaration of Performance (DoP) for Laminated safety glass, 27 June 2023
8. SKG-IKOB – Determination of: Air permeability according to EN 1026:2016, Water tightness according to EN 12155:2000, Strength under wind load according to EN 12211:2016 of a metal, outward opening roof hatch with the dimensions W x H: 1721 x 1243 mm, of the type: RHTG-1000-1500, Report No: 18.01083, 28 January 2019
9. Efectis, Declaration of Test Results, Certificate No: 2015-Efectis-R001575-D, 21 December 2015
10. Efectis, Comparison of test methods EN 1634-1:2014 and BS 476:Part 22(1987), applied to Gorter Roof Hatch RHTEI, Ref 2016-Efectis-R000823/BGG/TNL, 14 July 2016

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Product Certificate

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11. Efectis, Determination of the fire resistance according to EN 1634-1:2014 of a Gorter Floor Hatch WAEI, Report no. 2017-Efectis-R000030, March 2017
12. TUV, Certificate of Conformity, No. CLS1B 17 02 97595 001, 07 February 2017
13. TUV, Report No 3516 7553 (dated 1 April 2016) Roof Access Hatch with Ladders or (Scissor) Stairs, Tested in accordance with EN 14975:2010-12, EN 131-1:2011-09, EN 131-2:2012-08, EN 131-3:2018-08
14. Eurosolid Kft, Numerical analysis of the thermal behaviour of Gorter RHT-0700-0900 roof hatch, Using EN ISO 10077:2017: Thermal performance of windows, doors and shutters - Calculation of thermal transmittance, 19 January 2018
15. Eurosolid Kft, Numerical analysis of the thermal behaviour of Gorter RHTG-1000-1500 roof hatch, Using EN ISO 10077:2017: Thermal performance of windows, doors and shutters - Calculation of thermal transmittance, 31 October 2018

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

Model names are listed below:
RHT Aluminium Roof Hatches: RHT7090, RHT9090, RHT7014, RHT1035, RHT1010, RHT1015, RHT1020, RHT9024
RHTG Glazed Roof Hatches: RHTG1015, RHTG9024, RHTG9030
RHTEI Fire Rated Roof Hatches: RHTEI7090, RHTEI9090, RHTEI7014, RHTEI1015, RHTEI1020, RHTEI1010, RHTEI9024
WAG Glazed Floor Door: WAG1010, WAG1020
Scissor Stairs: Type Small (700x900), Type Large (700x1200), Type EI60 (fire rated), Type XL (1000x1300)
Plenum: Plenum 2, Plenum 2XL, Plenum 3, Plenum 3XL, Plenum 4, Plenum 4XL

11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

Further details regarding the use of the product can be found in the following brochures and datasheets:

- Gorter Brochure – Access through roof, Wall, Floor and Ceiling, Version 201910V115H (dated 2019)
- Gorter Brochure – Roof Hatch RHT, version 201910V11C (dated 2019)
- Technical Data sheet – Roof Hatches RHT/RHTEI/RHTX, version 201901V13B (dated 2019)
- Technical Data sheet –Roof Hatches RHTG/RHTE, version 201707V1F (dated 2017)
- Technical Data sheet – Scissor Stair, version 201904V2E (dated 2019)
- Glass floor door WAG Specifications: https://www.gortergroup.com/au/products/floor-doors/wag/standard/#specifications
- Gorter User information hinged floor doors (dated 2022)

Product Certificate

Gorter Roof Hatches, Floor Doors, Stairs and Plenums

Certificate no: CMNZ70088
Version: 1
Original issue date: 16 February 2021
Version date: 12 October 2023

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. Please find the register here.

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.