

Owner Authorisation (Form C)

Name of owners: Frank and Penny Keating

Address: 5b Madeley Road, Mt Pleasant, Christchurch

Lot/DP number: Lot 1 Deposited Plan 58711

Proof of ownership (copy of Certificate of Title): Copy of Certificate of Title

Name of BCA/TA: CCC

The owner authorises the company named below to act as their agent in respect to obtaining all necessary consents and related correspondence with the Building Consent Authority in regards to the installation of CosyWall® insulation material into the exterior walls of the above property.

Owners signature: p.p.



Name: p.p. Krystle Threadwell

Date: 24/3/23

on behalf of:

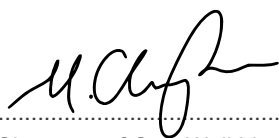
Name:

Date:

Declaration - Assessment of Existing Building

Based on the attached Form 'A' Building Assessment Plan I am satisfied this building is suitable for the installation of CosyWall insulation. I declare the installation of CosyWall will comply with CodeMark Certificate number AQ-181017-CMNZ on the following provisions:

- Any work itemised on Form 'B' to be completed prior to the installation of CosyWall
- Installation is undertaken in accordance with the CosyWall Install Manual
- Form 'D' Producer Workmanship Statement to be completed and accompany the CCC application.



Matthew Clayton

Name & Signature of CosyWall Licensed Distributor

24/3/23

Date

Christchurch
City Council



Page 1 of 15

BCN/2023/1626

Exemption from building consent
05/04/2023

Edward Moore

**Notwithstanding any drawings or specifications
accepted herein, all building work must comply
with the New Zealand Building Code.**

Building Assessment Plan (Form A)

Hazard Inspection Done: ☒ Yes ☐ No

Property owner: Penny & Frank Keating

Mob no:

Property address: 53 Madley Road, Mt Pleasant

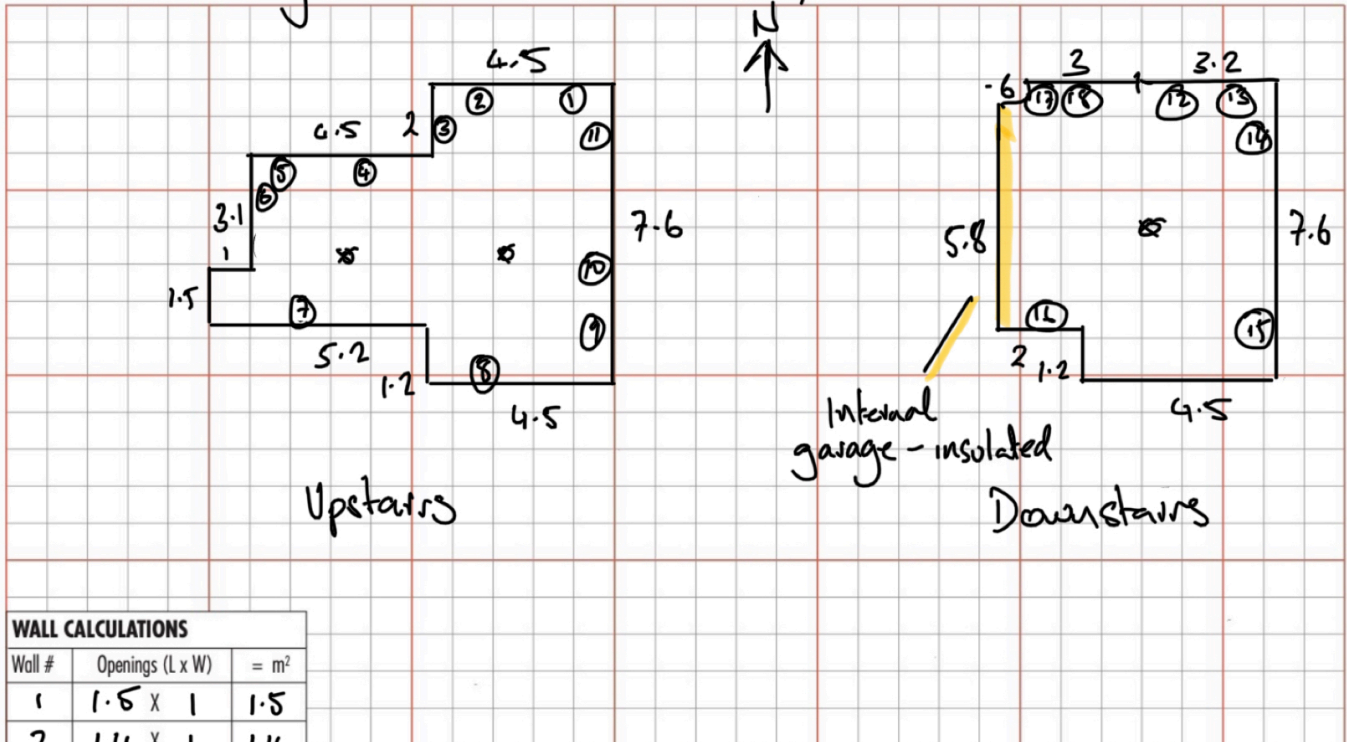
Email:

☐ Tenant ☐ Builder details:

Assessed by: Matt Clayton

Date assessed: 22/3/23 Ref #

Sheet 1 of 1



WALL CALCULATIONS		
Wall #	Openings (L x W)	= m ²
1	1.5 X 1	1.5
2	1.4 X 1	1.4
3	1.7 X 1	1.7
4	2.5 X 2	5
5	.6 X 1	.6
6	1.5 X 1	1.5
7	1.1 X 1.3	1.4
8	.9 X 2.6	2.1
9	1.1 X 1	1.1
10	.4 X .8	.3
11	1.1 X 1	1.1
12	.9 X 2	1.8
13	1.7 X 1.4	2.4
14	.4 X 1.4	.6
15	1 X 1	1
16	1.3 X 2	2.6
17	.4 X 1.4	.6
18	1.7 X 1.4	2.4
	X	
	X	
	X	
	X	
Openings total m ² :		29.1
Gross wall m ² :		137.4
- openings total m ² :		
= nett wall m ² :		108.3

Mark excluded walls with an X, mark smoke alarm locations with (SA) For multi-storey buildings please use one form per storey. Scale: 1 square = 1 m²

FOR WALLS (use price sheet)

Net wall m²: 108.3
Cavity thickness: 100mm
Product code: CWS100 Bag cover: 6
Bags est: 16.6 Actual:
Weight of bale: 15kg
Total kgs used:
Achieved R value: R8.0

FOR CEILINGS (use price sheet)

Net roof m²:
Product thickness:
Product code: Bag cover:
Bags est: Actual:
Achieved R value:
Other: RLGS

FOR FLOORS (use price sheet)

Net floor m²:
Product thickness:
Product code: Bag cover:
Bags est: Actual:
Joist width:
Foil used? ☐ Yes ☐ No
Floor height or difficulty? ☐ Easy ☐ Hard
Achieved R value:

BUILDING ASSESSMENT

Year of construction: 1990-99
Roof: Tiled
Floor: Piles
Walls: Stucco
Stud: 2.4 Soffit difference: NA
Repairs required? ☐ Yes ☒ No
Material issues? ☐ Yes ☐ No
If yes to either of the above, please complete the Repair/Materials Schedule (Form B)
Smoke alarms installed? ☒ Yes ☐ No
Wiring: PVC
Building paper: Yes

CLADDING CODES

☐ Weatherboard - timber WB
☐ Weatherboard - hardboard painted WH*
☐ Metal VM*
☒ Stucco SM
☐ Sheet - Plywood SS*
☐ Sheet - Fibre cement SF*
☐ Brick BV

Install: ☐ internal ☒ external

* restricted to internal fill only

MACHINERY/MATERIAL

Machine PSI: Test box weight:
Batch no:

E2/AS 1 SCORES (see table below)

Wind zone: 1
Storeys: 2
Roof/wall junctions: 1
Eaves width: 5
Envelope complexity: 0
Decks: 4
Total: 13

NB if score is greater than 14 (7 for brick), installation should NOT proceed.

DEFINITION OF RISK LEVELS		
Risk Factor	Score/Risk level	Comments
Wind zone	0 Low	Low wind zone (NZS 3604)
	1 Medium	Medium wind zone (NZS 3604)
	2 High	High wind zone (NZS 3604)
	3 Very high	Very High wind zone (NZS 3604)
	4 Extra high	Extra High wind zone (NZS 3604)
Storeys	0 Low	One storey
	1 Medium	Two storeys in part
	2 High	Two storeys
	3 Very high	More than two storeys
Roof/wall junctions	0 Low	Fully protected (e.g. hip & gable roof with eaves)
	1 Medium	Partly exposed (e.g. hip & gable roof, no eaves)
	2 High	Fully exposed (e.g. parapets, enclosed balconies or eaves at >90° to vertical with soffit lining)
	3 Very high	Roof elements finishing within the boundaries formed by the exterior walls
Eaves	0 Low	Greater than 600 mm for single storey
	1 Medium	1 storey: 451-600mm. 2 storey: 600 mm
	2 High	1 storey: 101-450mm. 2 storey: 451-600mm. 2+ >600
	3 Very high	1 storey: 0-100 mm. 2 storey: 0-450 mm. 2+ >600
Complexity	0 Low	Rectangular, L, T or boomerang. 1 cladding type. No more than two cladding types.
	1 Medium	Moderately complex, angular or curved shapes. No more than two cladding types.
	2 High	Complex, angular or curved shapes (e.g. Y or arrowhead) with multiple cladding types.
	3 Very high	As for High risk, but with junctions not covered (e.g. box windows, parapets, multi-storey re-entrant shapes etc.)
Decks	0 Low	Timber deck or porch at ground floor level
	1 Medium	Fully covered in plan by roof, or timber deck attached at first or second floor level
	2 High	Enclosed deck exposed in plan or cantilevered at first floor level
	3 Very high	Enclosed deck exposed in plan or cantilevered at second floor level or above

Photos – 5b Madeley Rd

Northern Elevation



Western Elevation



Southern Elevation



Eastern Elevation



Quickmap Title Details



Information last updated as at 19-Mar-2023

RECORD OF TITLE DERIVED FROM LAND INFORMATION NEW ZEALAND CROSS LEASE

Identifier **CB41B/316**

Land Registration District **Canterbury**

Date Issued 20 February 1996

Prior References

CB35A/1203

Estate Fee Simple - 1/2 share
Area 1178 square metres more or less
Legal Description Lot 1 Deposited Plan 58711

Registered Owners

Frank William Keating and Penny Katherine Keating

Estate	Leasehold	Term	999 years commencing on 20.12.1995
Legal Description	Flat 2 Deposited Plan 71206		

Registered Owners

Frank William Keating and Penny Katherine Keating

320496.1 Easement Certificate specifying the following easements (affects fee simple)

Type	Servient Tenement	Easement Area	Dominant Tenement	Statutory Restriction
Right of way, right to	Lot 2 Deposited Plan	A DP 44032	Lot 1 Deposited Plan	

drain sewage and water, 44032 - CT CB22B/1029
right to convey water,
electric power and
telephonic
communications

58711 - herein

Drain water

Lot 2 Deposited Plan Part
44032 - CT CB22B/1029

Lot 1 Deposited Plan
58711 - herein

968327.4 Easement Certificate specifying the following easements (Affects Fee Simple)

Type	Servient Tenement	Easement Area	Dominant Tenement	Statutory Restriction
Right to drain water and sewage and a right to drain water	Lot 2 Deposited Plan 58711 - CT CB38A/151	Part	Lot 1 Deposited Plan 58711 - herein	
Right to drain water and sewage and a right to drain water	Lot 2 Deposited Plan 44032 - CT CB35A/1024	Part	Lot 1 Deposited Plan 58711 - herein	

The easements specified in Easement Certificate 968327.4 are subject to (now) Section 243 (a) Resource Management Act 1991
Land Covenant in Transfer 982920.3

A220988.3 Lease of Flat 1 and Garage with Flat 1 DP 71206 Term 999 years commencing on 20.12.1995 Composite CT CB41B/315 issued (affects fee simple)

A220988.5 Lease of Flat 2 DP 71206 Term 999 years commencing on 20.12.1995 Composite CT CB41B/316 issued (affects fee simple)

11233345.3 Mortgage to TSB Bank Limited - 8.10.2018 at 1:03 pm

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Producer/Workmanship Statement (PWS - Form D) for external wall cavity insulation systems (EWCIS)

To be completed and signed by Licensed installer and lodged with Building Control Authority

Consent no: Building owner: Contract #:

Legal site address:

Licensed EWCIS installer: Install Date:

I certify that the following EWCIS product was installed at the above address in accordance with the Manufacturer's installation manual in compliance with NZ Building Code: B1.3.1 1.3.2 1.3.3 a B2.3.1 a i) ii) F2.3.1. Building work will comply with: E2.3.2. Will contribute to: C3.7 H1.3.1 a) b) H1.3.2E, and I have completed the following audit checks:

EWCIS Brand: Manufacturer: BCA Approval #:

Cavity depth: mm Bales of: Kg Bales estimated: Bales used :

Gas lines identified and avoided? ☐ Yes ☐ No Exception location :

Water lines identified and avoided? ☐ Yes ☐ No Exception location :

Electricity wires non VIR or TRS? ☐ Yes ☐ No Exception location :

External cladding repairs sealed? ☐ Yes ☐ No Exception location :

Detectors Installed as per AC2209? ☐ Yes ☐ No Exception location :

Photos of each wall before work commenced? ☐ Yes ☐ No Number of photos:

Location/areas excluded:

Other comments on this installation :

I understand that the BCA is reliant on this Producer/Workmanship statement in order to establish compliance with the NZ Building Act 2004 Building code.

Certified by: Print name:

Contact ph: Fax: or email :

as Licensed installer of the above named EWCIS manufacturer.

The word 'manufacturer' in these EWCIS documents refers to the organization (eg agent, manufacturer, or importer) that takes responsibility for the installed performance of the EWCIS. The organization must have performance control systems covering product, installation and reinstatement.

Technical Data / Producer Statement



PRODUCT DESCRIPTION

CosyWall™ insulation (CWI) is a full external wall cavity insulation system (EWCIS) for providing thermal insulation to wall cavities lined on both sides. The system includes an assessment of building suitability, licensed installation of water-resistant glass wool insulation and durable external cladding repair.

The insulation is manufactured in selected plants by melting and spinning a blend of inert, natural minerals. It is non-combustible, water-resistant, breathable, won't settle or shrink and has a trouble free history of insulating New Zealand external wall cavities since 2002. CosyWall™ is packed in plastic weather tight bags.

THERMAL EFFECTIVENESS (NZBC H1, AS/NZS4859.1:2018)

CosyWall™ fills all except the narrowest wall cavities (e.g.: frame corners), without joins, gaps or edge crushing common with batting installation. The high-density dry-fill process eliminates settlement and curing shrinkage away from framing timber, which is common with liquid foam materials. Total thermal effectiveness is guaranteed with installation of design thickness and weight. When CosyWall™ is added to a wall, compliance with NZ Building Code (NZBC) clauses H1.3.1 (a) and H1.3.2 is achieved via H1/AS1, clauses 2.1, 2.2 and 2.3. The minimum Total R-values R1.9 / R2.0 (depending on zone) stipulated in Tables 2 of NZS4218 and NZS 4243, are exceeded respectively with all wall cavities >75mm. Alternatively, licensed installers can complete a design on an individual building in accordance with NZS4218 calculation method, using the table figures.

APPLICATIONS

CosyWall™ is designed to provide effective thermal insulation for external timber framed wall cavities constructed before 1990, with suitably fixed internal linings and external weatherboard, fibre cement, plywood, stucco or brick claddings. It is unsuitable for wall cavities with poorly fixed linings.

BUILDING CODE COMPLIANCE

This designated "Design", "Construction" or "Construction without Building Consent" statement covers the use of CosyWall™ insulation material to meet or exceed NZ Building Code sections B1, B2, C3, E2, F2, H1 requirements when used in buildings at any geographical location in accordance with this document AND alteration to specific buildings via installation of the total CosyWall™ insulation system do not alter NZBC existing building compliance relating to clauses B1, C2, E2, G9, H1. Compliance with these clauses is via a mix of acceptable and alternative solutions, as detailed below, with evidence supporting the claims available as Appendix 1 (A1), if required. CosyWall™ usually requires BCA consent. A building risk assessment is undertaken for each site prior to consent application. Upon work completion licensed installers must provide site records to the BCA and state the installed thickness and bags used (weight) on a card fixed inside the power box.



Available from Licensed Installer:

0800 267 992
cosywall.co.nz

TABLE ONE - THERMAL RESISTANCE COSYWALL® CAVITY WALLS

(1) Weatherboard >1950 with nogs. Deduct R0.2 if Sheet cladding.

(2) Weatherboard <1950 510c/c, no horizontal nogs

(3) Brick with 40mm cavity, no building paper

Total R-values assume 18% thermal bridging as per H1/AS1 & may alter in walls with more or less framing timber.

For a Total R Value of:	Requires material R-value of:	Min thickness (mm)
2.2 (1)	2.8	90
2.6 (2)	2.9	105
3.3 (3)	3.9	138

INSTALLATION

Can only be undertaken licensed installers, following the pre-assessment, insulation installation and cladding/lining reinstatement procedures detailed in the CosyWall™ manuals.



BUILDING CODE COMPLIANCE

Effect on Existing Structure (NZBC B1.3.2)

The structural performance of the framing, claddings & internal linings is not reduced by CosyWall™ EWCIS. Structural timber framing is not altered and there is no introduced or accumulated moisture to cause damage. The size & spacing of any holes through sheet bracing have minimal structural effect. CosyWall™ does not promote corrosion on metal building components.

Durability (NZBC B2.3.1)

CosyWall™ will satisfy the requirements of NZBC clause 2.3.1(a) & B2/AS1 Table 1 of 50 years durability in lined wall cavities, as the only materials are water-resistant glass wool and polyester resin cladding repair filler. Both are industry recognised as achieving 50-year durability. Vibration tests showed no settlement or shrinkage in wall cavities.

Durability of the existing structure is not reduced, as CosyWall™ EWCIS is dry applied, water-resistant, non-wicking and vapour permeable. Should future leaks occur, CosyWall™ does not extend framing timber drying time sufficient to increase framing timber decay.

Fire Properties & Electrical Wiring

(NZBC C2.2, C3.7, G9.3.1)

CosyWall™ is non-combustible, and needs no additional treatment to prevent the spread of flame. Fire development via the “flue effect” is inhibited inside wall cavities lined with building paper or without horizontal blocking.

Clauses C2.2, C3.7 compliance isn't affected, as fire rated walls and cavities with heating equipment are avoided. Clause G 9.3.1 compliance isn't affected, as CosyWall does not deteriorate TPS wiring, all rubber insulated wiring is avoided and other wires do not overheat within CosyWall at legal current loads.

External moisture (NZBC E2)

CosyWall™ insulation EWCIS complies with clause E2 via an alternative solution, utilizing similar methodology of acceptable solution E2/AS1, clause 3 site assessment weather tightness risk factors. CosyWall™ insulation is installed dry, does not transfer water via wicking and, if soaked, dries within 30 days.

The system does not affect existing building compliance with clauses E2.3.2, as any cladding damage is reinstated. CosyWall™ reduces possibility of water entering cavities and diminishes cavity condensation risk.

Internal moisture (NZBC E3)

Compliance with NZ Building Code (NZBC) clauses E3.2 (a) & (c) is not required for an altered existing building, but is achieved with CosyWall™ via E3/AS1 clause 1.1.1(a). The minimum Total R-values of R1.5 stipulated in E3/AS1, are exceeded with wall cavities >65mm with sheet or other claddings of higher R-value.

Health Effects

CosyWall™ complies with NZBC section F2.3.1, as non-hazardous materials. It is low bio-persistent mineral wool with no added formaldehyde, which is odourless and does not provide food for vermin. The product does not represent a health risk to installers or occupants of insulated buildings. Facemasks and overalls should however be worn when working with all insulation or dusty drywall materials.



CODEMARK™

CM70016

TEST & DOCUMENT REVIEW:

BBA Appraisal Certificate 13/4969

Group Energy Consultants reports 0212-01c, 0912-01a, 0912-01b, 1012-02, 1012-01F, BV0214

CodeMark Certificate Number CM70016



PRODUCT CERTIFICATE

CosyWall® External Wall Cavity Insulation System



CERTIFICATE NO: CM70016 Rev1

Date of issue: 15 June 2021

KEY INFORMATION

1	CERTIFICATE HOLDER DETAILS
	Safe-R Insulation (NZ) Ltd 61 Forge Road Silverdale, Auckland, 0932 New Zealand Email: sales@saferinsulation.co.nz Phone: 09 579 0459 www.saferinsulation.co.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
	CosyWall® external wall cavity insulation system (EWCIS) is a method for the fitting of insulation into the external walls of existing buildings. It consists of a Building Assessment, drilling cladding or lining, blowing CosyWall® insulation into the wall cavities and reinstating the cladding to a weathertight state (or reinstating linings). <i>Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.</i> <i>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.</i>
4	SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT
	For use as insulation in the walls of existing buildings. <i>Continuation of intended use can be found in item 10. Supporting Information about Intended use of Building Product or Method.</i>
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) B2.3.2 E2 External Moisture – E2.3.2 (contributes to) , F2 Hazardous Building Material – F2.3.1 C3 Fire affecting areas beyond the fire source – C3.7 (a) (contributes to) H1 Energy Efficiency – H1.3.1, H1.3.2E (contributes to) The existing building will continue to comply with the following Building Code clauses to at least the same extent as before the installation of CosyWall® insulation: B2 Durability – B2.3.1 (a) B2.3.2 C2 Prevention of Fire Occurring – C2.2 E2 External Moisture – E2.3.2, E2.3.5 G9 Electricity – G9.3.1 H1 Energy Efficiency – H1.3.1 <i>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.</i>



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

PRODUCT CERTIFICATE

CosyWall® External Wall Cavity Insulation System

6 CONDITIONS AND LIMITATIONS OF USE

1. The Safe-R Insulation (NZ) Limited Licence Holder shall provide a signed declaration (to be provided to the BCA as part of the building consent application when a consent is sought), that all conditions of the CodeMark certificate have been met.
2. The agreement of the building owner to complete the work identified on the Repair/Materials Schedule (Form B) as being required prior to installation of insulation and/or application for a Code Compliance Certificate must be obtained.
3. CosyWall® external wall cavity insulation system procedures, including installation of insulation, shall be carried out or supervised by a trained and accredited Safe-R Insulation (NZ) Limited Applicator.
4. Shall be installed in accordance with the CosyWall® installation manual 03/21.

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



Wade Maurice
General Manager

For and on behalf of
Safe-R Insulation (NZ) Ltd

PRODUCT CERTIFICATE

CosyWall® External Wall Cavity Insulation System

SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

CosyWall® insulation is a soft, white, blown mineral wool fibre material and achieves a thermal resistance rating of R2.5-R2.8/90mm.

The Building Assessment is a pre assessment of the building to identify any work needed prior to installation of the insulation in order for the requirements of S112 of the Building Act 2004 to be met. A post assessment is carried out to confirm that the required work was carried out, and the building work has been completed in accordance with the building consent (where issued) and CosyWall external wall cavity insulation system requirements.

Further details regarding the description of the product can be found in the Cosywall Insulation Technical Data / Producer Statement, 03/21.

10 SUPPORTING INFORMATION ABOUT INTENDED USE

Further details regarding the use of the product can be found in CosyWall® Installation Manual, 03/21.

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

N/A

PRODUCT CERTIFICATE

CosyWall® External Wall Cavity Insulation System

12 BASIS FOR CERTIFICATION

- B2 Durability - By analysis and comparison with Acceptable Solution B2/AS1 and Verification Method B2/VM1
- C2 Prevention of fire occurring – By testing and comparison with Acceptable Solutions C/AS1 and C/AS2
- C3 Fire affecting areas beyond the fire source - By testing and comparison with Acceptable Solutions C/AS1 and C/AS2
- E2 External moisture - By analysis and comparison with Acceptable Solution E2/AS1
- F2 Hazardous building materials - By comparison with the performance requirements of Building Code clause F2.3.1
- H1 Energy efficiency - By testing and comparison with Acceptable Solution H1/AS1

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. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition (Amendment 2), 50 November 2020
3. C/VM1 Verification Method for Solid Fuel Appliances and C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk Group SH) For New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 5), 5 November 2020
4. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause E2 External moisture 3rd edition (Amendment 9), 27 June 2019
5. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause H1 Energy Efficiency (Amendment 4), 28 November 2019
6. BBA Agrément Certificate 88/2033 Knauf Insulation Supafil 40 Cavity Wall Insulation, 24 January 2014
7. BBA Agrément Certificate 88/2033 Knauf Insulation Supafil Carbon Plus Wall Insulation, 23 March 2016
8. MBIE Determination, 2012/026
9. CosyWall® Installation Manual, 03/21
10. CosyWall® moisture barrier External Wall cavity Insulation (EWCI) – Compliance Documentation V7, May 2017
11. Chemwatch Independent Material Safety Data Sheet, Knauf Earthwool Glasswool Insulation with Ecosse Technology, 4699-19, 2011/1
12. Safety Data Sheet Turbo Builders Bog, Chemical Specialities Ltd, November 2017
13. Safety Data Sheet Polyester Filler Hardener Paste, Chemical Specialities Ltd, November 2017

PRODUCT CERTIFICATE

CosyWall® External Wall Cavity Insulation System

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.

Product Name	Description of content	Date of Install
CosyWall Insulation	Glasswool	

Statement of compliance

This R-Value applies at a mean temperature of 15 degrees Celsius in New Zealand. The total R-Value depends on correct installation and may be less than stated R-Value if not installed correctly. This product complies with AS/NZS 4859.1 for the material R-Value stated on this certificate, at a minimum density of 28kg/m³ per sqm, at the mean recorded thickness.

Installer to complete the following

Site Address: _____

Contact Number: _____

For & on behalf: _____

Date Installed: ____ / ____ / ____

Signature: _____

Declared R-Value (m ² K/W)	Net weight of product supplied (kg)
Total area (m ²)	Cavity Depth (mm)

Statement of compliance

The undersigned Safe-R Insulation Applicator guarantees that the listed materials have been installed in accordance with the system instructions for achieving the specified performance and durability in terms of the New Zealand Building Code. Clause B2 - Durability (section 2) of the New Zealand Building Code compliance documents specifies the requirements relating to durability of specific building elements. Please note that many of these elements require regular maintenance to be undertaken to maintain durability requirements, for the specified period, as required by the New Zealand Building Code. This regular maintenance is the house owners responsibility.

