

Certificate number: CM40239

Certification Body:


 ABN: 80 111 217 568
 JAS-ANZ Accreditation
 No. Z4450210AK
 PO Box 7144, Sippy
 Downs Qld 4556
 +61 (07) 5445 2199
www.CertMark.org

Certificate Holder:

Metecno Pty Ltd
 ABN: 44 096 402 934
 121 Ingram Road,
 Acacia Ridge Qld 4110
 Ph: +61 7 3323 8555
www.bondor.com.au

THIS TO CERTIFY THAT

LuxeWall® FlameGuard®

Type and/or use of product:

External fire rated wall.

Description of product:

LuxeWall Flameguard is an insulated, fire rated external wall system which can be fixed from the internal side and thus be used on boundary walls with limited access. Available in thickness of 50, 75, 100, 150mm.

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

BCA 2016

| | Volume One (Amdt. 1) | | Volume Two | |
|---|--------------------------------|---|---|--|
| Performance Requirement(s) | BP1.1(a),(b) (i),(ii),(iii) | Structural Reliability | P2.1.1(a), (b)(i),(ii),(iii) &(c) | Structural Reliability |
| | FP1.4 | Weatherproofing | P2.2.2 | Weatherproofing |
| | GP5.1 | Construction in bushfire prone areas – BAL FZ | P2.3.4 | Bushfire areas – BAL FZ |
| Deemed-to-Satisfy Provision(s): | A2.3 | Fire-resistance of building elements – Can be used where an FRL 60/60/60 or 90/90/90 is required. Refer A3. | Part 1.2.3 | Fire-resistance of building elements – Can be used where an FRL 60/60/60 or 90/90/90 is required - Refer A3. |
| | A2.4(b),(c) | Fire hazard properties – Spread-of-Flame Index 0, Smoke-Developed Index 2-3, Group number 1 | Part 1.2.4 | Fire hazard properties – Spread-of-Flame Index 0, Smoke-Developed Index 2-3, Group number 1 |
| | C1.9(e)(vi) | Non-combustible building elements | 3.12.1.4(a) | Energy Efficiency – External Walls – Contributes to the overall performance of the wall. Refer A3 |
| | J1.5(a) | Energy Efficiency - Walls – Contributes to the overall performance of the wall. Refer A3 | 3.12.1.6(a) | Energy Efficiency– Contributes to the overall performance of the wall. Refer A3 |
| State or territory variation(s): | Not Applicable | | P2.3.4 – TAS | |


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 25/09/2018

Date of expiry: 25/09/2021



Certificate of Conformity

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. It is the responsibility of the building designer to ensure fitness for purpose.
2. The weatherproofing systems for all panels is dependent on window, door and other penetration frames being designed, constructed and installed in accordance with manufacturer's recommendations to enable adequate flashing and sealing to the building.
3. Bushfire - LuxeWall[®] FlameGuard[®] is suitable for use as an exterior wall when installed in accordance with the [BON0535 Drawing Pack - LuxeWall - Flameguard 60 \(v1, Dated 06/08/2018\)](#) and [BON0535 Drawing Pack - LuxeWall - Flameguard 90 \(v1, Dated 06/08/2018\)](#) and all exposed core material is encapsulated with a non-combustible covering.
4. LuxeWall[®] FlameGuard[®] is to be installed in accordance with the Manufacturer's installation manuals; [Tech Data Sheets - LuxeWall Flameguard v1](#) and BON0535 Drawing Pack - LuxeWall - Flameguard 60 v1 and BON0535 Drawing Pack - LuxeWall - Flameguard 90 v1.
5. Information contained herein or related hereto is intended only for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. Such information is believed to be reliable, but CertMark International (CMI) shall have no responsibility or liability for results obtained or damages resulting from such use. CMI grants no license under and shall have no responsibility or liability for infringement of, any patent or other proprietary right. Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.
6. This Certificate is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate is outside of this document's scope and the installation of the certified product/system will not be covered by this CodeMark certification. This may result in the product being classified as a non-conforming building product/system.

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

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

As per page one.

A2 Description of product

LuxeWall® FlameGuard® is a fire rated architectural boundary wall system tested and approved for both FRL 60/60/60 and FRL 90/90/90.

A3 Product specification

Panel Properties

Dimensions



Source: Certificate Holder

| | |
|-------------------------|--|
| Core | MW (Mineral Wool) |
| Width (cover mm) | 900 & 1200 |
| Thickness (mm) | 50 & 75 (other thicknesses available on request) |
| Length | Up to 6.5m (check for availability) |
| External Material | BlueScope® Colorbond® Steel 0.6mm G300 |
| External Finishes | Plain (Other options available) |
| Exterior Colour Options | Standard, Matt & Metallic Colorbond® options available |
| Internal Material | BlueScope® Colorbond® Steel 0.6mm G300 with HygienePlus® |
| Internal Finishes | Plain |
| Paint System | AS/NZS 2728:2013 & AS 1397-2011 |

| | |
|------------------------|--|
| Bushfire Attack Level | BAL- FZ |
| Fire Hazard Properties | AS/NZS 1530.3-1999 Indices |
| | Ignitability Index 0 |
| | Spread of Flame Index 0 |
| | Heat Evolved Index 0 |
| | Smoke Index 2-3 |

Source: AWTA Test Report – AS 1530.3-1999; Dated 12/03/2009.

| | | |
|-----------------------------|----------|--|
| Fire Resistance Level (FRL) | FRL | Bondor Luxe Wall® Flameguard® Wall System Options |
| | 90/90/90 | (1) As tested Bondor LuxeWall® Flameguard® wall including - <ul style="list-style-type: none"> • From 50mm to 150mm thickness Bondor Flameguard® panels • with or without insulation in stud cavities; • Installation of weather wrap of Ametalin Silverwrap or other brands; the weather wrap may be optionally removed; • 90mm or deeper timber or equivalent steel stud frames • Bondor Flameguard® panel widths ranging from 900mm to 1200mm • With or without external acrylic coating on Bondor Flameguard® panels • Inclusion of weather resistant fire rated sealants in fire side of inter-locking joints and perimeter edges of the Bondor Flameguard® panels and metal capping over top of all panels. |
| | 60/60/60 | (2) As per option (1), but without fire rated joint sealants in the perimeter and inter-locking joints of Bondor Flameguard® panels. Capping at top of panel is not required except for top of parapet wall exposed to weather. |
| | 60/60/60 | (3) As per option (2) except that the internal cladding be replaced with 13mm fire rated plasterboard. |

Source: Exova Warringtonfire Report No. 55457600.2, AS1530.4-2014, Dated 12/07/2018.

| | | | | |
|-------------------|--|------|------|-------|
| Energy Efficiency | R-Value of LuxeWall Flameguard panel with no plasterboard or other lining: | | | |
| | Panel Thickness | 50mm | 75mm | 100mm |
| | R-Value | 1.25 | 1.88 | 2.50 |

For details on system testing completed, contact the Certificate Holder.

Source: Smart Rate; Dated April 2017.

| | | |
|---|-----|-----|
| Panel Thickness (mm) | 50 | 75 |
| Total R-Value Luxe Wall [®] only(m ² K/W) | 1.8 | 2.4 |
| Total R-Value with Luxe Wall [®] FlameGuard [®] & R1.5 Batts (m ² K/W) | 3.1 | 3.8 |
| Total R-Value with Luxe Wall [®] FlameGuard [®] & R2.0 Batts (m ² K/W) | 3.6 | 4.3 |

Note: The above Total R-values are for insulation average temperature of 23°C. Contact the Certificate Holder for other temperatures.

Source: Tech Data Sheets - LuxeWall Flameguard v1

A4 Manufacturer and manufacturing plant(s)

Metecno Pty Ltd
103 Ingram Road
Acacia Ridge QLD 4110
T: +617 3323 8555

A5 Installation requirements

LuxeWall[®] FlameGuard[®] is to be installed in accordance with [BON0126 Bondor Tech Data Sheets - LuxeWall Flameguard v1](#) and either [BON0535 Drawing Pack - LuxeWall - Flameguard 60 v1](#) or [BON0535 Drawing Pack - LuxeWall – Flameguard 90 v1](#).

A6 Other relevant technical data

Acoustic Properties – R_w 40, 45 depending on construction. Contact Certificate Holder for construction details.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Bushfire Protection A2.2(a)(iv) and 1.2.2 (a)(iii). Reports from appropriately qualified person.
2. Fire Hazard Properties A2.2 (a)(iv)(v) and 1.2.2 (a)(i)(iii) Reports from an Accredited Testing Laboratory and reports from a professional engineer.
3. Structural Provision A2.2(a)(v) and 1.2.2 (a)(iv). Reports from professional engineer.
4. Thermal Performance A2.2 (a)(v) and 2.3.3 (a)(vi). Reports from professional engineer.
5. Weatherproofing Performance A2.2(a)(v) and 1.2.2 (a)(iv). Reports from professional engineer.

B2 Reports

1. AWTA Textile Testing; NATA Accreditation No. 1356; Report No. 7-565217-CQ; Fire test in accordance with AS/NZS 1530.3-1999, Fire indices; Dated 13/03/2009.
2. Bligh Tanner; Report Reference No. 2017.0493; Weatherproofing Assessment of Equitilt panels including Luxe Wall FlameGuard; Dated 02/08/2018.
3. Bligh Tanner; Report Reference No. 2017.0493; Certification of LuxeWall Span Tables; Dated 11/09/2018.
4. BRANZ; IANZ Accreditation No. 37; Report No. FAR4659; Assessment report on fire performance of KNAUF plasterboard lining products; Dated 31/03/2017.
5. CSIRO; NATA Accreditation No. 165; Report No. FCO-2349/4414; Likely combustibility of Bondor Flameguard Panels; Dated 10/06/2014.
6. Exova Warringtonfire; NATA Accreditation No. 3277; Report No. 41268000.4; Fire resistance test in accordance with AS 1530.4-2014, 60/60/60; Dated 21/02/2018.
7. Exova Warringtonfire; NATA Accreditation No. 3277; Report No. 55457600.2; Fire resistance test in accordance with AS 1530.4-2014, 90/90/90; Dated 12/07/2018.
8. SmartRate - Building Energy Efficiency Specialists; Luxe Wall thermal value calculations; Dated April 2017.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.