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Certificate Holder:

Protector Aluminium
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THIS TO CERTIFY THAT

Protector Aluminium Fencing and Balustrades

Type and/or use of product:

Certified for use as pool fencing barriers around swimming pools, security, boundary fencing and balustrades for balconies.

Description of product:

Aluminium pool fencing and balustrades.

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

BCA 2016

	Volume One (Amdt. 1)	Volume Two
Performance Requirement(s)	Not applicable	Not applicable
Deemed-to-Satisfy Provision(s):	B1.1(a)&(b) Resistance to actions B1.2(a)&(b) Determination of individual actions B1.4 Determination of structural resistance of materials and forms of construction D2.16(c) Barriers to prevent falls Table Barrier Construction, Section 2- Barrier D2.16(a) Openings and Section 3 - Barrier Climability	3.9.2.3(c) Construction of barriers to prevent falls (d)(e)(f) 3.9.3.0(a) Swimming Pool - Acceptable Construction Manuals (Limited to AS 1926.1 Only)
State or territory variation(s):	Not applicable	3.9.3.0(a) NSW, NT, QLD and SA (Refer A6 below)

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

Limitations and conditions:

- With regard to strength and/or rigidity of Safety Barriers or Fencing for Swimming Pools, this Certificate of Conformity limits compliance with AS 1926.1 to the following extent:
 - AS 1926.1 - 2012: Compliance with the Test for Strength and Rigidity of Barrier Openings and the Strength Test for Rigid Barrier Components Only.

Building classification/s:

1 & 10


John Thorpe, CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 02/11/2018

Date of expiry: 05/09/2021



Certificate of Conformity

- AS 1926.1 - 2007: Compliance with the Test Strength and Rigidity of Fencing Openings and the Strength Test for Rigid Fencings Components Only.
- AS 1926.1 - 1993: Compliance with the Test Strength and Rigidity of Fencing Openings and the Strength Test for Rigid Fencings Components Only.
- 2. Where used as a Safety Barrier or Fencing for Swimming Pools, compliance of the barrier with Section 3.2 (Strength of Posts and Footings) of AS 1926.1 – 2012, AS 1926.1 – 2007 and AS 1926.1 – 1993 and Section 3.5 of AS 1926.1 – 2012 (Strength and Rigidity of a Gate Unit) is to be confirmed to the satisfaction of the Appropriate Authority.
- 3. This Certificate of Conformity limits the use of the product as a Barrier to Prevent Falls in accordance with NCC Vol 1 (Amdt. 1) D2.16(c) and/or NCC Vol 2 Part 3.9.3.2(c), (d), (e) & (f) to the Type of Occupancy for the part of the Building or Structure described in Categories A, B, E and C3 of Table 3.3 of AS/NZS 1170.1-2002 only.
- 4. Where used as a Barrier to Prevent Falls in accordance with NCC Vol 1 (Amdt. 1) D2.16(c) and/or NCC Vol 2 Part 3.9.3.2(c), (d), (e) & (f) the adequacy of connection to the base structure and the adequacy of the base structure to support the barrier is to be confirmed to the satisfaction of the Appropriate Authority.
- 5. For the purposes of this Certificate, the term Appropriate Authority has the meaning defined in the National Construction Code.
- 6. For fencing, the certificate only applies to the Certificate Holder's Ulti-M8 panels as appropriately stamped by the certificate holder.
- 7. 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. 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.
- 8. 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.

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.



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APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

Aluminium pool fencing & balustrades.

A3 Product specification

Fence Panel: 2450mm wide x 1200mm high

- Powder coated aluminium – Aluminium grade / temper – 6063/T6
- Ulti-M8 Ultra Strength Core
- 6-point welds
- 27 pickets per panel
- 72.1mm picket spaces
- Pickets – 16mm x ribbed tube
- Rails – 38mm x 25mm ribbed

Available in the following profiles:

- | | |
|------------------|------------------------------------------|
| • FLAT TOP | • DTR ALL CROSSES |
| • LOOP | • DTR ALL DIAMONDS |
| • PICKET | • DTR – 2UP 2DOWN |
| • LOOP/SPEAR | • DTR WITH DIAMONDS |
| • SPEAR | • DTR WITH CROSSES |
| • HI-LO SPEAR | • DTR 1 UP 1 DOWN WITH SPEARS |
| • ARCHED SPEAR | • DTR ALL UP RINGS & CROSSES |
| • DTR-ALL UP | • DTR – 1UP 2DOWN |
| • DTR WITH RINGS | • DTR ALL UP ALL RINGS WITH HI-LO SPEARS |
| • HI-LO PICKETS | • DTR ALL UP ALL RINGS WITH SPEARS |
| • DTR ALL RING | • DTR ALL UP ALL CROSSES AND SPEARS |



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Balustrades: 2000mm wide (including fixed post) x 1010mm high

- 19 pickets per panel
- Pickets – 16mm x 1.6mm tube
- 98.6mm space between picket centres
- Top Rail – 50mm x 25mm
- Bottom Rail – 38mm x 25mm
- Post – 50mm x 50mm
- Base Plate – 100mm x 100mm x 8mm

A4 Manufacturer and manufacturing plant(s)

Protector Aluminium
2A Page Street
Kunda Park Qld 4556, Australia
P: +617 5476 5022

A5 Installation requirements

Installation of this product is outside of the scope of this CodeMark Certificate. Each State in Australia has its own regulations in regards to pool fencing. It is recommended that this product be installed by a suitably qualified tradesperson. The finished Pool fence must be inspected and approved by a certified pool fence inspector.

General information on the installation of this product can be found at: https://www.protectoraluminium.com.au/pdf/HowtoinstallFencing105x297mm_AUS.pdf

Due consideration must be given to the requirements of AS 1926.2-2007(R2016) "Swimming pool safety Location of safety barriers for swimming pools".

A6 Other relevant technical data

State and Territory Variations:

NSW - Part 3.9.3.0(a) (Limited to AS 1926.1 Only) noting that the Swimming Pools Act 1992 and the Swimming Pools Regulation 2008 prevail in the case of any inconsistency.

N.T - The Swimming Pool Safety Act 2016 Section 10(1)(iii) and the Swimming Pool Safety Regulation 2013 Section 5(1).

QLD - The Building Act 1975 Section 231D (1)(a) & (b) and Mandatory Part (MP) 3.4 of the Queensland Development Code (QDC).

SA - Part 3.9.3.0(a) (Limited to AS 1926.1 Only).



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APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

CMI has followed the following procedures for certifying the Protector Aluminium Fencing & Balustrades:

- Testing and assessment of the Protector Aluminium Fencing & Balustrades;
- Assessing a quality plan for the Protector Aluminium Fencing & Balustrades that conforms to ISO 10005 and the CodeMark scheme rules;
- By reviewing testing of samples supplied to ascertain whether or not the product meets the performance requirements specified on this certificate; and
- Conducting site audits of the factory to verify compliance of the Protector Aluminium Fencing & Balustrades.

B2 Reports

- a. Ian Bennie & Associates; NATA Accreditation No. 2371; Report #2016-053-S3; Testing to AS 1926.1-2012; Dated August 2016.
- b. Ian Bennie & Associates; NATA Accreditation No. 2371 Report # 2016-053-S4; Testing to AS 1926.1-2012; Dated August 2016.
- c. Ian Bennie & Associates; NATA Accreditation No. 2371 Report # 2016-053-S5-S7; Testing to AS 1926.1-2012; Dated August 2016.
- d. Ian Bennie & Associates; NATA Accreditation No. 2371 Report # 2016-053-S8-S10; Testing to AS 1926.1-2012; Dated August 2016.
- e. Scope Testing Services Pty Ltd; NATA Accreditation No. 17076; Testing to AS/NZS 1170.1 2002 Part 1 section 3.6 Barriers Class C3 Stairs, landings, external balconies, edges, of roofs etc; Dated February 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.