

Certificate number: CM70009

Certification Body:



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Certificate Holder:



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THIS TO CERTIFY THAT

AM-BOSS Access Ladder

Type and/or use of product:

A pull down ladder for access to ceiling/roof spaces and plant/equipment areas in buildings

Description of product:

The AM-BOSS access ladders manufactured in aluminium with the flat non-slip treads welded into the stiles. Models include Access-Boss, Access-Boss All-Metal, Big-Boss, Big-Boss All-Metal, Ambossador, Access-Boss Heavy Duty, Big-Boss Heavy Duty and AM-BOSS Inferno--Boss.

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

BCA 2016

| | Volume One | Volume Two |
|--|--|----------------------------|
| Performance Requirement(s) | DP2 Safe movement to and within a building | P2.5.1 Stairways and ramps |
| Deemed-to-Satisfy Provision(s) | N/A | N/A |
| State or territory variation(s) | N/A | N/A |



Certification Body name and signature

Bureau Veritas Australia Pty Ltd



Daniel Darakas – Unrestricted Building Surveyor
Hendry Group Pty Ltd

Date of issue: 24-01-2019

Date of expiry: 24-01-2022



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. AM-BOSS Access ladders are operated and maintained in accordance with the applicable procedure as listed below:
 - Operating and Maintenance Procedure On AM-BOSS Access Ladders (Dated 24 February 2004 Rev C),
 - Operating and Maintenance Procedure For 'AM-BOSS Inferno-Boss' Access Ladders (Dated 1 August 2008 Rev B).
2. The fixing of the ladder to the building structure is outside the scope of this assessment. It is the responsibility of others to ensure the structural adequacy of the support building structure and fixing for each ladder installation.
3. Where the AM-BOSS Access ladder is to be installed in a ceiling that has a Fire Resistance Level (FRL) or a Resistance to the Incipient Spread of Fire (RISF), only the AM-BOSS Inferno-Boss is to be used where the ceiling has an FRL of up to 90/90/90 or a RISF of up to 90 minutes.
4. The choice of ladder to be selected and used is to be within the load ratings applicable to the occupancy and expected use and is also to be appropriate for the height of the ceiling above the floor.
5. The product is to be used for its intended purpose and installed in accordance with the applicable installation manual listed in Section A5.

Building classification/s:

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

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

A pull down ladder for access to ceiling/roof spaces and plant/equipment areas in buildings

A2 Description of product

The AM-BOSS access ladders manufactured in aluminium with the flat non-slip treads welded into the stiles. Models include Access-Boss, Access-Boss All-Metal, Big-Boss, Big-Boss All-Metal, Ambossador, Access-Boss Heavy Duty, Big-Boss Heavy Duty and AM-BOSS Inferno--Boss.

A3 Product specification

The AM-BOSS access ladders are manufactured in aluminium with the flat non-slip treads welded into the stiles. The unit comes fully assembled with concealed hinges, draft seal, counter balancing and a neat metal architrave. Installation is by pushing the unit into the pre-cut hole in the ceiling with the architrave hard against the ceiling and fixing to the building structure. The gradient of AM-BOSS access ladders is in the range of between 60° and 70° depending on ceiling height.

The 'All-Metal' Access-Boss and 'All-Metal' Big-Boss incorporates a metal frame manufactured in 3.00mm approx. aluminium and ceiling panel manufactured from a nominal 5mm-6mm aluminium mill finished chequered plate.

Each unit comes with instructions and a pole to operate the unit. The domestic and commercial series ranges are listed below:

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| | DOMESTIC SERIES <i>(Includes the 'AMBOSSADOR' which is a Premium Upgrade)</i> | | COMMERCIAL SERIES | | | | | | |
|-------|--|----------|---------------------|----------|--------------|----------|--------------|----------|------------------------|
| | | | STANDARD COMMERCIAL | | HEAVY DUTY | | ALL METAL | | FIRE RATED |
| Model | Access-Boss | Big-Boss | Access-Boss | Big-Boss | Access-Boss | Big-Boss | Access-Boss | Big-Boss | AM-BOSS Infeno Boss |
| | Rated: 150g | | Rated: 150kg | | Rated: 400kg | | Rated: 150kg | | Rated: 150kg |
| 2020 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2153 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2345 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2460 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2680 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2830 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3020 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 3240 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 3460 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 3680 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 3840 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 4050 | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 4550 | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 5050 | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| | | | | | | | | | |



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A4 Manufacturer and manufacturing plant(s)

AM-BOSS Access Ladders Pty Ltd 11-13 Maida Avenue, Sunshine North, VIC 3020, Australia.

A5 Installation requirements

The installation of an AM-BOSS Access Ladder is to be in accordance with the applicable installation guide as listed below:

- Guide To Installation For Types: Access-Boss (Dated 10 September 2001 Rev H),
- Guide To Installation For Types: Big-Boss (Dated 10 September 2001 Rev F)
- Guide To Installation For Types: Suspended Ceiling/s (Dated 19 December 2007 Rev F),
- Guide To Installation For Types: AM-BOSS Inferno-Boss' (Dated 1 August 2009 Rev E).
- Guide To Installation For Special Hatch Size (Dated 28 May 2015 Rev B).
- Guide to Installation for Types: AM-BOSS 'All Metal' Pull-Down Access Ladders (Dated 10 February 2017) rev B

A6 Other relevant technical data

AM-BOSS Access Ladders drawings:

- AM-AL-AP01 (Rev 1) (10-12-08)
- AM-AL-AR01 (Rev 1) (10-12-08)
- AM-AL-AR01-D1 (Rev 1) (10-12-08)
- AM-AL-AR01-D2 (Rev 1) (10-12-08)
- AM-AL-FC01 (Rev 1) (10-12-08)
- GA Closed (Rev 1) (12-12-08)
- GA Open (Rev 1) (12-12-08)



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- AM-AL-LA01 (Rev 1) (10-12-08)
- AM-AL-LA01-D1 (Rev 1) (10-12-08)
- AM-AL-LA01-D2 (Rev 1) (10-12-08)
- AM-AL-LA01-D3 (Rev 1) (10-12-08)
- AM-AL-LA01-D5 (Rev 1) (10-12-08)
- AM-AL-LA01-D6 (Rev 1) (10-12-08)
- AM-AL-LF01 (Rev 1) (10-12-08)
- AM-AL-LF01-D1 (Rev 1) (10-12-08)
- AM-AL-LF01-D2 (Rev 1) (10-12-08)
- AM-AL-LH01 (Rev 1) (11-12-08)
- AM-AL-LH01.D1 (Rev 0) (11-12-08)
- AM-AL-LH01.D2 (Rev 0) (11-12-08)
- AM-AL-LK01 (Rev 1) (10-12-08)
- AM-AL-LK01-D1 (Rev 1) (10-12-08)
- AM-AL-LK01-D2 (Rev 1) (10-12-08)
- AM-AL-LR01 (Rev 0) (11-12-08)
- AM-AL-LS01 (Rev 0) (11-12-08)
- AM-AL-PH01 (Rev 0) (11-12-08)
- AM-AL-PL01 (Rev 0) (11-12-08)
- AM-AL-PL01-D1 (Rev 0) (11-12-08)
- AM-AL-PL01-D2 (Rev 0) (11-12-08)
- AM-AL-PS01 (Rev 1) (10-12-08)
- AM-AL-RF01 (Rev 0) (11-12-08)
- AM-AL-SG01 (Rev 1) (10-12-08)
- AM-AL-SL01 (Rev 0) (11-12-08)
- AMBO-004 S1 (Rev REL) (27-10-11)
- AM-AL-SL01-D1 (Rev 0) (11-12-08)
- AM-AL-SL01-IMAGE (Rev 0) (12-12-08)
- AM-AL-SP01 (Rev 0) (11-12-08)
- AM-AL-MB01 (Rev 1) (10-12-08)



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- AM-AL-SP01-D2 (Rev 1) (10-12-08)
- AM-AL-TL01 (Rev 0) (11-12-08)
- AM-AL-TL01.D1 (Rev 0) (11-12-08)
- AM-AL-TL01-IMAGE (Rev 0) (12-12-08)
- CL-AM-AL-3ELEV VIEW (Rev 0) (12-12-08)
- OP-AM-AL-3 ELEV VIEW (Rev 0) (12-12-08)

AM-BOSS Access Ladders, Loop and Pole Instructions Rev 04 (Date: 10 February 2005):

This document outlines the process to open a ladder with the loop and pole.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the BCA 2016. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

1. FRL assessment – A2.2(a)(i) (Volume 1) Report from Bodycote (NATA approved laboratory) – testing to AS 1530.4 (2005) BWA Report No: 2279400 (Dated: 5 September 2008).
2. Structural assessment – A2.2(a)(iii) (Volume 1) report from Pearl Street (report No: 4940-0122.1 (Dated: 25 August 2009).

B2 Reports

1. Material Evaluation Report prepared by Metlabs (dated 7-8-1996),
This report provides the results of load testing. The ladder was loaded to 200kg in 25kg increments in three locations. The report recommends a maximum load rating of no more than 150kg.
2. Mechanical Testing report prepared by PearlStreet (dated 25-8-2009),
This report provides the results of load testing. The ladder was loaded to 400kg in 25kg increments in three locations. The report concludes the ladder satisfactorily supported the test loads up to 400kg and there were no visible signs of distortion or failure of the ladder.
3. Bodycote Warrington Fire Test Report No.2279400 (dated 5-9-2008),
This report provides the details of the results of the ladder tested to AS 1530.4-2005 Sections 2 & 4. The report provides details of the Fire Resistance Level and the Resistance to the Incipient Spread of Fire the ladder achieves when the ceiling hatch is fitted with the appropriate fire resistance board. This ladder is known as the 'AM-BOSS Inferno-Boss'.
4. Exova Warrington Report Review No. 31193800 (dated 18/08/2014)
This report provides a review of the previous report issued by Bodycote Warrington BWA 22794-01 (dated 29-01-2009). The findings of the report are that the report is still valid due to no changes to 1530.4-2005 or to the product AM-BOSS access ladders.
5. Mechanical Testing Services report (No. MT-13/349 dated 30 May 2013. This report provides the results of load testing of the AM-BOSS Inferno-Boss. Test Loading applied in three stages: (1) Serviceability Load; (2) Proof Test for strength; and (3) Prototype Test (Strength Limit State).