CodeMark

Certificate no: CMNZ25015
Version: 01
Original issue date: 14 July 2025
Version date: 14 July 2025

Product Certificate

Fuzhou ROPO Building Materials Co., Ltd.

Fuzhou ROPO UPVC Doors and Windows

1. Certificate Holder Details

Fuzhou ROPO Building Materials Co., Ltd.

#1107 Fusheng Mansion, No. 3 Fuxing Ave, Jin'an District, Fuzhou City, Fujian, 350014 China
benson@chinaropo.com
+86-591-87147106
www.ropowindows.com

2. Product Certification Body

SAI Global Certification Services Pty Limited
(ACN 108 716 669) Trading as "SAI Global"
Operating as "Intertek & Intertek SAI Global"
Level 7 Suite 7.01, 45 Clarence Street, Sydney NSW - Australia
www.saiglobal.com

Complaints: The complaints process for this certificate can be found here:
https://saiassurance.com.au/complaints-appeals/

3. Description of Building Method or Product

Fuzhou ROPO UPVC Doors and Windows are a range of uPVC material Doors and Windows fitted with double-glazed insulated glass units (IGUs). Products are UPVC Fixed Window, UPVC Sliding Window, UPVC Awning + Fixed Window, UPVC Tilt & Turn + Fixed Window, UPVC Side-hinged Door and UPVC Sliding Door.

Product Models are:

- ROPO AD70 FW -- UPVC Fixed Window
- ROPO SS70 SW -- UPVC Sliding Window
- ROPO AD70 AW -- UPVC Awning + Fixed Window
- ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window
- ROPO AD70 HD - UPVC Side-hinged Door
- ROPO SS90 SL - UPVC Sliding Door

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.
Product identification: Refer to item 10 for detailed identification information.

4. Intended use of Building Method or Product

UPVC doors and windows for external use in housing.

5. New Zealand Building Code Provisions

Clause B1 Structure — B1.3.1; B1.3.2; B1.3.3 (a, h, j); B1.3.4
Clause B2 Durability — B2.3.1 (b); B2.3.1 (c) (for hardware)
Clause E2 External moisture – E2.3.2 (contributes to); E2.3.7
Clause F2 Hazardous building materials — F2.3.1; F2.3.3
Clause G4 Ventilation — G4.3.1 (contributes to); G4.3.3 (contributes to)

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Clause G7 Natural Light — G7.3.1 (contributes to); G7.3.2 (contributes to)
Clause H1 Energy efficiency — H1.3.1 (contributes to); H1.3.2E (contributes to)

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.

6. Conditions and Limitations of Use

a) **Fuzhou ROPO UPVC Doors and Windows** are certified for use in housing:
- within the scope of Acceptable Solution E2/AS1 Third Edition Amendment 10 (5 November 2020) paragraphs 1.1, 1.1.1, & 1.2.1, and
- with claddings and details as described in Acceptable Solution, E2/AS1 Third Edition Amendment 10 (5 November 2020)
- located in:
  - Wind Zones (as defined in NZS3604:2011 Timber framed buildings) for each model as follows:
    - ROPO AD70 FW -- UPVC Fixed Window – Up to and including Very High
    - ROPO SS70 SW -- UPVC Sliding Window – Up to and including Very High
    - ROPO AD70 AW -- UPVC Awning + Fixed Window – Up to and including Extra High
    - ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window – Up to and including Extra High
    - ROPO AD70 HD - UPVC Side-hinged Door – Up to and including Extra High
    - ROPO SS90 SL - UPVC Sliding Door – Up to and including Extra High
  - all Exposure Zones, except microclimates, (as defined in NZS3604:2011 Timber framed buildings).

b) The following models of **Fuzhou ROPO UPVC Doors and Windows** are certified for use in the building envelope enclosing spaces where the temperature or humidity (or both) is modified:
- ROPO AD70 FW -- UPVC Fixed Window
- ROPO AD70 AW -- UPVC Awning + Fixed Window
- ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window
- ROPO AD70 HD - UPVC Side-hinged Door
- ROPO SS90 SL - UPVC Sliding Door

c) Compliance with the performance criteria in Building Code clauses H1.3.1(a) and H1.3.2E shall be established using the generic construction R-values in Acceptable Solution H1/AS1 Fifth Edition Amendment 1, (4 August 2022), Table E.1.1.1 with either of the following:
- the calculation method in Acceptable Solution H1/AS1 Fifth Edition Amendment 1, (4 August 2022), or

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- the modelling method in H1/VM1 Fifth Edition Amendment 1, (4 August 2022)

d) Compliance with the performance criteria in Building Code clauses G4.3.1 and G4.3.3 shall be established in accordance with Acceptable Solution G4/AS1 4th Edition, (27 June 2019) for models with operable sashes, panels and sliding doors only.

e) Compliance with the performance criteria in Building Code clauses G7.3.1 and G7.3.2 shall be established in accordance with Acceptable Solution G7/AS1 2nd Edition, (29 November 2021).

f) This certification does not cover evaluation and / or compliance of any screens associated with the product models.

g) **Fuzhou ROPO UPVC Doors and Windows** shall be installed in accordance with the Fuzhou ROPO uPVC Doors and Windows – Technical Manual, Version 5.0 - 05 February 2025.

NOTE: Together, items 3,4,5 and 6 define scope of use

7. Health and Safety Information

- Contact certificate holder or distributor to obtain information about material safety and handling.

8. Basis for Certification

Building regulations 1992 (SR 1992/150) – version as at 23 December 2023.

- **B1 Structure** – by testing and comparison with provisions of Verification Method B1/VM1; Acceptable Solution E2/AS1; and referenced standard NZS 4211:2008 Specification for Performance of Windows.
- **B2 Durability** – by testing and comparison with the provisions of Verification Method B2/VM1
- **E2 External Moisture** – by testing and comparison with provisions of Acceptable Solution E2/AS1 and referenced standard NZS4211:2008 Specification for Performance of Windows.
- **F2 Hazardous building materials** – by comparison with provisions of Verification Method F2/VM1 and Acceptable Solution F2/AS1.
- **G4 Ventilation** – by comparison with product specifications and Acceptable Solution G4/AS1.
- **G7 Natural Light** – by comparison with product specifications and Acceptable Solution G7/AS1.
- **H1 Energy Efficiency** – by testing and comparison with Acceptable Solution H1/AS1 and Verification Method H1/VM1.

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9. Supporting Documentation for Certification

Acceptable Solutions and Verification Methods for New Zealand Building Code:

- **Clause B1 Structure** – B1/VM1 Verification Method First Edition, Amendment 21 (02 November 2023); E2/AS1 Acceptable Solution Third Edition, Amendment 10 (5 November 2020); and referenced standard NZS 4211:2008 Specification for Performance of Windows.
- **Clause B2 Durability** – B2/VM1 Verification Method Second Edition, Amendment 12 (28 November 2019).
- **Clause E2 External Moisture** – E2/AS1 Acceptable Solution Third Edition, Amendment 10 (5 November 2020).
- **Clause F2 Hazardous building materials** – F2/VM1 Verification Method and F2/AS1 Acceptable Solution First Edition, Amendment 3 (1 January 2017).
- **Clause G4 Ventilation** – G4/AS1 Acceptable Solution Fourth Edition, (27 June 2019).
- **Clause G7 Natural Light** – G7/AS1 Acceptable Solution Second Edition, (29 November 2021).
- **Clause H1 Energy Efficiency** – H1/AS1 Acceptable Solution Fifth Edition Amendment 1, (4 August 2022); H1/VM1 Verification Method Fifth Edition Amendment 1, (4 August 2022)

Test Reports

1. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO AD70 FW -- UPVC Fixed Window) Test Report No. 230407007SHF-013 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for VERY HIGH wind zone.

2. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO SS70 SW -- UPVC Sliding Window) Test Report No. 230407007SHF-018-R1 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for VERY HIGH wind zone.

3. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO AD70 AW -- UPVC Awning + Fixed Window) Test Report No. 230407007SHF-016-R1 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for EXTRA HIGH wind zone.

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4. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window) Test Report No. 230407007SHF-014 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for EXTRA HIGH wind zone.

5. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO AD70 HD - UPVC Side-hinged Door) Test Report No. 230407007SHF-015 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for EXTRA HIGH wind zone.

6. **Intertek, Fuzhou ROPO Building Materials Co., Ltd (ROPO SS90 SL - UPVC Sliding Door) Test Report No. 230407007SHF-017-R1 (dated 16 June 2023)**
   The results demonstrated in this report are compliant with the applicable requirements of NZS 4211:2008 (Amdt 1-2014). This report established the window meets the requirements of the referenced standard NZS 4211: 2008 New Zealand Standard - Specification for performance of windows for EXTRA HIGH wind zone.

7. **Allunga Exposure Laboratory, Compliance Certificate (dated: 31 July 2020)**
   The compliance certificate confirms that testing results of uPVC profile meets the requirements for “Resistance to Weathering”, “Impact Strength of Unexposed Profiles” and “Impact Strength of Exposed Profiles” when tested in accordance with the specification and requirements defined in “The Vinyl Council of Australia’s uPVC Window Profiles – Industry Code of Practice’ Version 1.0 2015 (the ‘VCA’s ICP’). Sections: 3, 4, 5, 6.”

8. **SKZ Certification Body, Compliance Certificate Z125957/17-II (dated: 28 June 2017)**
   The compliance certificate confirms that the testing results of uPVC profile produced with formulation “WHT 833007, CaZn” of producer VEKA Plastics (Shanghai) Co., Ltd complies with the Material characteristics requirements (Vicat-softening temperature, Flexural modulus of elasticity and Tensile Impact Strength) in accordance with DIN EN 12608-1:2016-08, annex A.

9. **Fuzhou ROPO Building Materials Co., Ltd, Durability Declaration (dated 30 May 2024)**
   This declaration confirms that Fuzhou ROPO UPVC Doors and Windows are designed to be durable for more than 15 years for uPVC windows and doors and 5 years for hardware.

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10. **Fuzhou ROPO Building Materials Co., Ltd, "Declaration of conformity" (dated 28 May 2024)**
This declaration confirms that Fuzhou ROPO UPVC Doors and Windows complies with the requirements for Hazardous Building Materials by way of design and materials.

10. Supporting Information About Description

This certification covers only the following models and their respective maximum dimensions*

Model: ROPO AD70 FW -- UPVC Fixed Window
Maximum Dimensions: 2200mm(H) x 2400mm(W)

Model: ROPO SS70 SW -- UPVC Sliding Window
Maximum Dimensions: 1600mm(H) x 2400mm(W)
Maximum Operable Sash Dimensions: 1498mm(H) x 1190mm(W)

Model: ROPO AD70 AW -- UPVC Awning + Fixed Window
Maximum Dimensions: 1600mm(H) x 2000mm(W)
Maximum Operable Sash Dimensions: 1522mm(H) x 947mm(W)

Model: ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window
Maximum Dimensions: 2200mm(H) x 2200mm(W)
Maximum Operable Sash Dimensions: 1498mm(H) x 848mm(W)

Model: ROPO AD70 HD - UPVC Side-hinged Door
Maximum Dimensions: 2400mm(H) x 1000mm(W)
Maximum Operable Panel Dimensions: 2324mm(H) x 924mm(W)

Model: ROPO SS90 SL - UPVC Sliding Door
Maximum Dimensions: 2200mm(H) x 2700mm(W)
Maximum Operable Panel Dimensions: 2080mm(H) x 1335mm(W)

* This certification is also applicable where the area of the window or door assembly is no greater than 10% in either the horizontal or vertical direction, or no greater than 15% of the total area, provided the larger sized window or door assembly meets all applicable requirements specified in NZS 4211:2008, clause 5.2.2.

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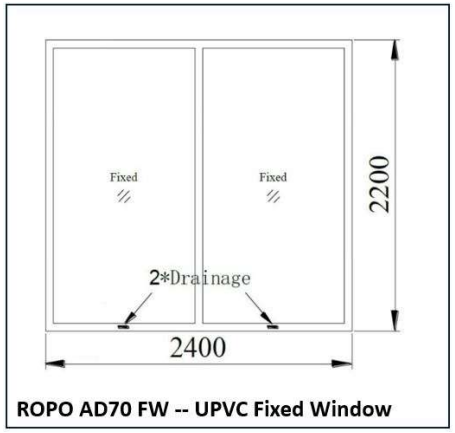
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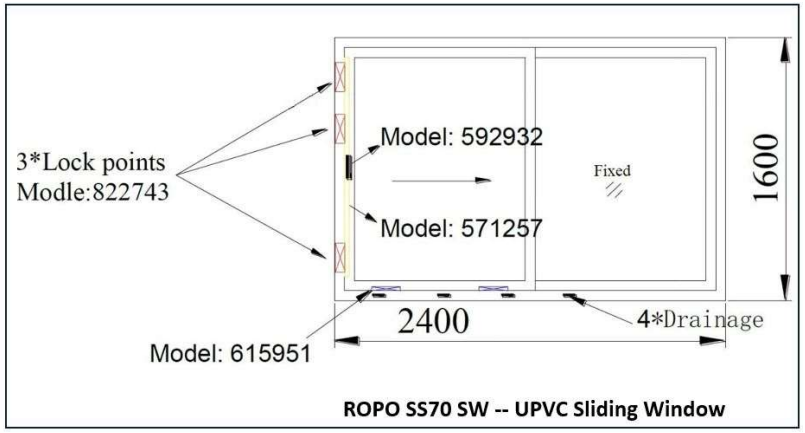
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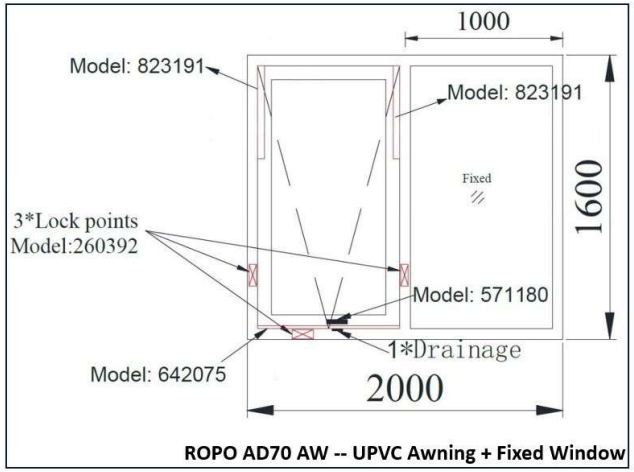
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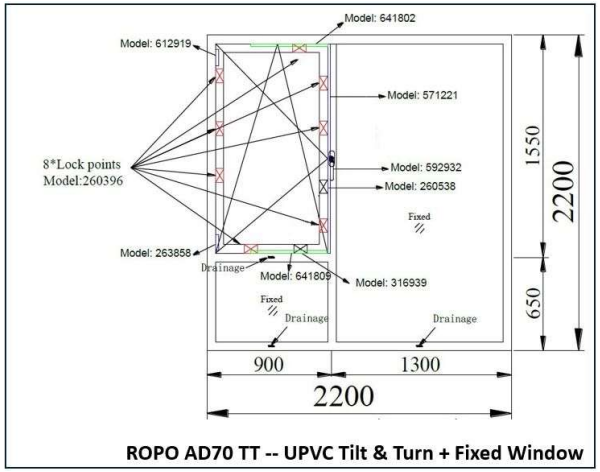
ROPO AD70 FW -- UPVC Fixed Window



ROPO SS70 SW -- UPVC Sliding Window



ROPO AD70 AW -- UPVC Awning + Fixed Window



ROPO AD70 TT -- UPVC Tilt & Turn + Fixed Window

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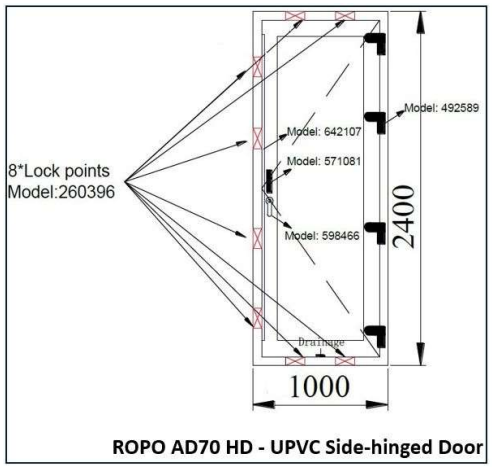
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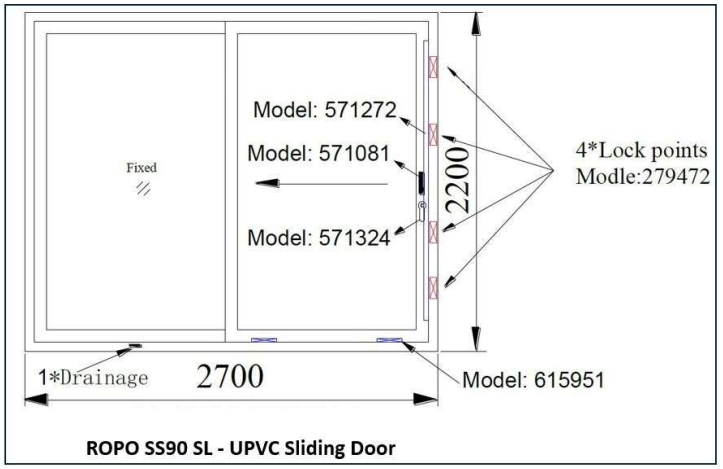
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Fuzhou ROPO UPVC Doors and Windows



ROPO AD70 HD - UPVC Side-hinged Door



ROPO SS90 SL - UPVC Sliding Door

11. Supporting Information About Intended Use

Nil

12. Supporting Information About Conditions and Limitations of Use

- Glass selection and glazing shall be in accordance with NZS4223.1:2008 and in locations subject to human impact must be in accordance with NZS4223.3:2016.
- Consideration must be given to glazing rebates as inadequate drainage will affect the durability of insulating glass units and laminated glass.

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Signatures
Name and Signature of the Product Certification Body's (PCB) authorised representative and, where different, the person assigned by the PCB to make the certification decision.



Rathin Grover
President, Business Assurance

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.

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