

# PRODUCT CERTIFICATE

## Fuzhou ROPO UPVC Windows and Doors

### 1 CERTIFICATE HOLDER DETAILS

Fuzhou ROPO Building Materials Co., Ltd.

#806 Fusheng Mansion, No. 3 Fuxing Ave, Jin'an District, Fuzhou City, Fujian, 350014 China

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### 2 PRODUCT CERTIFICATION BODY



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Trading as "SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

680 George St, Sydney, NSW 2000

[www.saiglobal.com](http://www.saiglobal.com)

### KEY INFORMATION

#### 3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT

Fuzhou ROPO uPVC Windows & Doors are a range of single, double, and triple glazed windows and doors which include sliding doors and windows; and fixed, awning & tilt and turn windows, folding doors and French doors.

*Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.*

*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.*

Catalogue or model identification numbers: Refer to item 9 for detailed identification information.

#### 4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT

Fuzhou ROPO proprietary uPVC window or door assemblies for use in residential and commercial buildings.

*Continuation of intended use can be found in item 10. Supporting Information about Intended use of Building Product or Method.*

#### 5 BUILDING CODE PROVISIONS – New Zealand Building Code (NZBC)

**B1 Structure** — B1.3.1; B1.3.2; B1.3.3 (h, l), 1.3.4

**B2 Durability** — B2.3.1(b)

**E2 External Moisture** — E2.3.2, E2.3.7

**F2 Hazardous Building Materials** — F2.3.1; F2.3.3

**H1 Energy Efficiency** — H1.3.1; H1.3.2E (contributes to)

*If designed, used, installed & maintained in accordance with the scope of this Certificate, the above-mentioned product will meet the following provisions of the NZBC.*

*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.*

### 6 CONDITIONS AND LIMITATIONS OF USE

1. The installation must be in accordance with the Installation and Fixing Details provided by Fuzhou ROPO in “CHINA ROPO uPVC WINDOWS & DOORS” Technical Literature – Version 1.1, Dated Nov 2014.
2. The specific models are suitable for use in the following wind zones (as defined in NZS3604:2011):
  - Up to and including LOW wind zone: ROPO17D002 Folding Door.
  - Up to and including MEDIUM wind zone: ROPO17D001 French Door.
  - Up to and including HIGH wind zone: ROPO17D003 Sliding Door.
  - Up to and including VERY HIGH wind zone: RP001 Awning Window; RP003 Sliding Door; RP004 Tilt & Turn Window; RP005 Sliding Door.
  - Up to and including EXTRA HIGH wind zone: RP002 Sliding Window; RP006 Fixed Window; ROPO17W001 Awning Window.
3. Model ROPO17D003 Sliding Door is not suitable for use where the indoor environment is required to be thermally conditioned.

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

#### Reference Documents:

1. ROPO – Technical Manual Version 6, Dated Nov 2018 – Product description and Installation details.

### 7 HEALTH AND SAFETY INFORMATION

- Contact certificate holder via website to obtain information about material safety and handling.

### 8 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



**Heather Mahon**  
Global Head of Technical Services  
SAI Global Assurance

### SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

#### 9 SUPPORTING INFORMATION ABOUT DESCRIPTION

ROPO uPVC Windows & Doors are range of single and double-glazed window and door joinery units for use in residential and commercial building. The joinery units are available with fixed glazing or opening sashes. The opening sash window styles including awning, casement, sliding and tilt. Doors styles include French, sliding, tilt and hinged. The frame is manufactured from extruded white uPVC in a range of profiles to suit different styles and size of windows and doors. Refer to *item 6. Conditions and Limitations of Use* above for certified models.

This certification applies to the following models:

- RP001 Awning Window, Profile AD58 (up to 1600mm x 1800mm – Sash 748mm x 1722mm);
- RP002 Sliding Window, Profile SL58 (up to 2400mm x 1700mm – Sash 1192mm x 1614mm);
- RP003 Sliding Door, Profile SL73 (up to 3000mm x 2200mm – Door 1025mm x 2102mm);
- RP004 Tilt & Turn Window, Profile AD70 (up to 1600mm x 1800mm – Sash 752mm x 1728mm);
- RP005 Sliding Door, Profile SL90 (up to 2700mm x 2200mm – Door 1351mm x 2114mm);
- RP006 Fixed Window, Profile AD58 (up to 1600mm x 2100mm – Sash 1600mm x 2100mm);
- ROPO17W001 Awning Window, Profile AD70 (up to 900mm x 2400mm – Sash 820mm x 1149mm);
- ROPO17D001 French Door; Profile AD58 (up to 1780mm x 2200mm – Door 844mm x 2188mm (2 pcs);
- ROPO17D002 Folding Door; Profile AD58 (up to 2500mm x 2200mm – Door 806mm x 2058mm (3 pcs); and
- ROPO17D003 Sliding Door, Profile SS90 (up to 2700mm x 2200mm – Door 1335mm x 2080mm).





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### 10 SUPPORTING INFORMATION ABOUT INTENDED USE

Fuzhou ROPO proprietary uPVC window or door assemblies are for use in private houses, office blocks, high rise dwellings and in public and commercial buildings.

Refer to *item 6. Conditions and Limitations of Use* above for specific models that are suitable for use in certain wind zones (as defined in NZS3604:2011).

### 11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

All conditions and limitations are as stated above in *item 6. Conditions and Limitations of Use*.

### 12 BASIS FOR CERTIFICATION

1. **Structure** – comparison with the performance tests and requirements in NZS4211:2008 (referenced in Acceptable Solution E2/AS1, Amend 9 June 2019).
2. **Durability** – Comparison with the provisions of B2/VM2.
3. **External Moisture** – comparison with the performance tests and requirements in NZS4211:2008 (referenced in Acceptable Solution E2/AS1, Amend 9 June 2019).
4. **Energy Efficiency** – R-values for construction configurations.
5. **Hazardous Building Materials** – Comparison with the provisions on F2/AS1.

### 13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

- **Building regulations 1992 (SR 1992/150) – Reprinted as at 1 January 2017.**
  - **Acceptable Solutions and Verification Methods for New Zealand Building Code:**
    - a) **Clause B1 Structure** – B1/VM1, Amendment 19 (28 November 2019); E2/AS1 Amendment 9 (27 June 2019).
    - b) **Clause B2 Durability** – B2/VM1, Amendment 12 (28 November 2019).
    - c) **Clause E2 External Moisture** – E2/AS1, Amendment 9 (27 June 2019).
    - d) **Clause H1 Energy Efficiency** – H1/VM1, Amendment 4 (28 November 2019).
    - e) **Clause F2 Hazardous building materials** – F2/VM1, Amendment 3 (1 January 2017).
1. **Intertek Test Report 170622002SHF-BP-1 24 July 2017**  
*Test of model ROPO17W001 to NZS 4211:2008 Specification for Performance of Windows.*
  2. **Intertek Test Report 170622002SHF-BP-2 24 July 2017**  
*Test of model ROPO17D003 to NZS 4211:2008 Specification for Performance of Windows.*
  3. **Intertek Test Report 150327002SHF-BP-2 24 April 2015**



The certificate holder must maintain compliance with the conditions set out in section 15 of the Building (Product Certification) Regulations 2008. This certificate is issued by SAI Global, an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of Ministry Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee or represent that the building method or product, 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. MBIE 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.

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Information regarding SAI Global's complaints process can be found at the following link: [Complaints Process](#).

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*Testing of model RP001 to AS 2047:2014 Windows and external glazed doors in buildings.*

4. **Intertek Test Report 150327002SHF-BP-3 28 August 2015**  
*Testing of model RP002 to AS 2047:2014 Windows and external glazed doors in buildings.*
5. **Intertek Test Report 150327002SHF-BP-4 28 August 2015**  
*Testing of model RP003 to AS 2047:2014 Windows and external glazed doors in buildings.*
6. **Intertek Test Report 150327002SHF-BP-1 24 April 2015**  
*Testing of model RP004 to AS 2047:2014 Windows and external glazed doors in buildings.*
7. **Intertek Test Report 150327002SHF-BP-5 28 August 2015**  
*Testing of model RP005 to AS 2047:2014 Windows and external glazed doors in buildings.*
8. **Intertek Test Report 150327003SHF-BP-1 24 April 2015**  
*Testing of model RP006 to AS 2047:2014 Windows and external glazed doors in buildings.*
9. **Intertek Test Report 170622002SHF-BP-4 24 July 2017**  
*Testing of model ROPO17D001 to AS 2047:2014 Windows and external glazed doors in buildings.*
10. **Intertek Test Report 170622002SHF-BP-3 24 July 2017**  
*Testing of model ROPO17D002 to AS 2047:2014 Windows and external glazed doors in buildings.*
11. **Alunga Exposure Laboratory Ref 10E01ZG1-20 10 May 2012**  
*Assessment after outdoor exposure of uPVC extrusion profiles.*
12. **Alunga Exposure Laboratory Ref 10E01ZG1-20 9 August 2013**  
*Assessment after outdoor exposure of uPVC extrusion profiles.*
13. **WERS Certified Products Directory Listing**  
*Listing of products Window Energy Rating, specific to particular glazing configurations.*

### 14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body 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 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;



The certificate holder must maintain compliance with the conditions set out in section 15 of the Building (Product Certification) Regulations 2008.

This certificate is issued by SAI Global, an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of Ministry Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee or represent that the building method or product, 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. MBIE 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.

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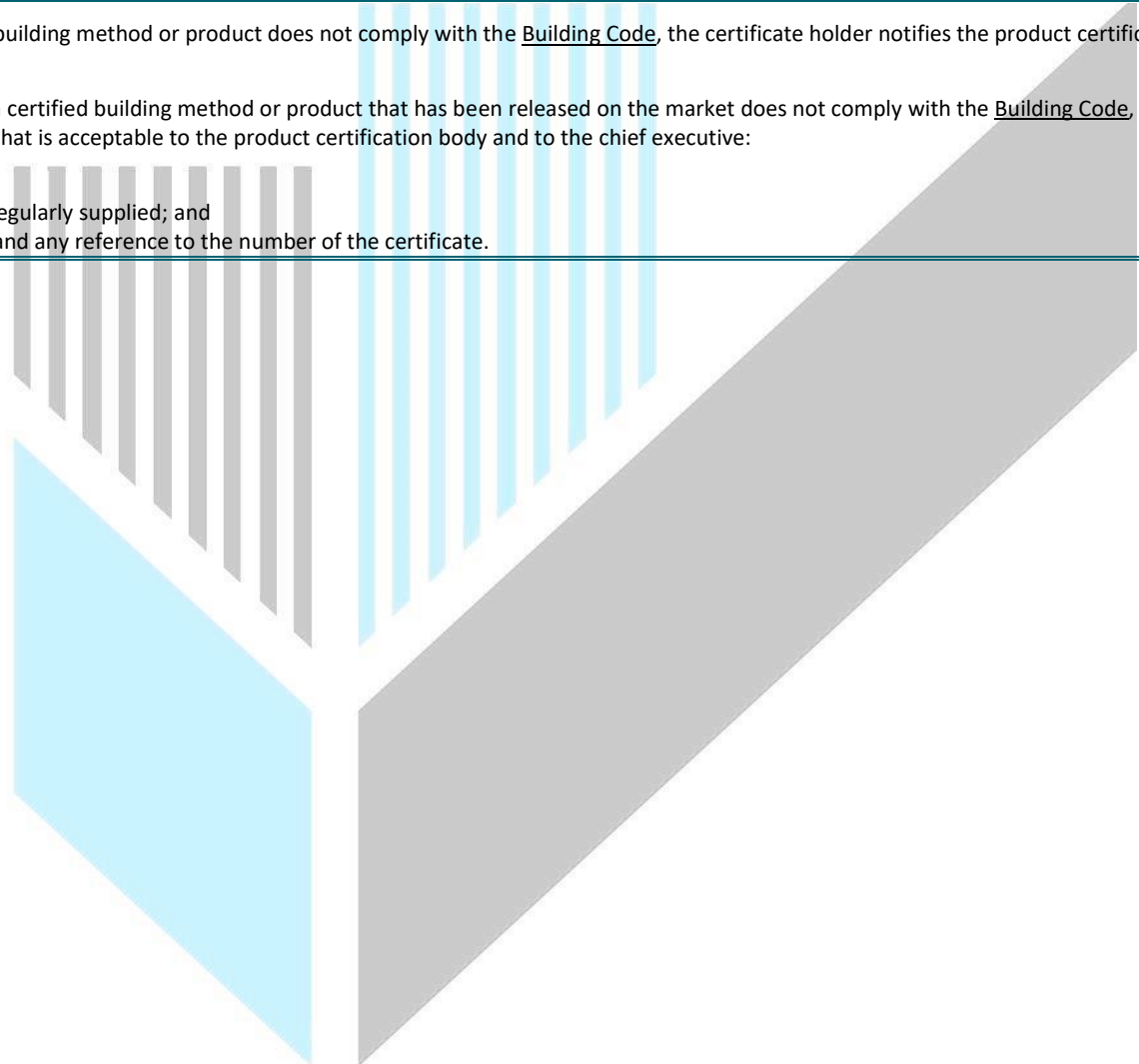
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- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body 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.



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