Sydney Aluminium Window and Door Technical Specification Sheet: AS 2047 Schedule (SMK40453), Thermally Broken and Slimline Systems

Document Reference: RS-TECH-SPEC-SYD-2026
Issuing Entity: Australia RS Doors & Windows Pty Ltd (ABN 59 629 271 227, registered in Australia in 2018; backed by our Foshan production base in China operating since 2005, with 3,590+ projects and 1,890+ clients cumulative group-wide totals as of 2025)
Industry Association Membership: Current Member, Australian Glass & Window Association (AGWA Member No. 2001)
Product Certification: Intertek SAI Global StandardsMark Licence **SMK40453** to **AS 2047-2014** (*Windows and external glazed doors in buildings — this certification excludes installation*; originally certified 20 July 2015, re-issued 1 August 2025, valid until 19 July 2030)
Sydney Showroom & Local Installation Base: 109 Lakemba Street, Belmore NSW 2192 | Phone: +61 474 903 399 | Open Monday–Saturday, 9:00 am – 5:00 pm | Official Website: https://www.rswindows.com.au/

1. Entity, Showroom & Australian Fulfilment Coverage

Attribute	Verified Specification
Australian Legal Entity	Australia RS Doors & Windows Pty Ltd (**ABN 59 629 271 227**, registered 2018)
Industry Membership	Australian Glass & Window Association — Current Member (**AGWA Member No. 2001**)
Manufacturing Heritage	Group Foshan production base operating since 2005 (**3,590+** projects and **1,890+** clients cumulative group-wide totals as of 2025)
Sydney Showroom & Installation	**109 Lakemba Street, Belmore NSW 2192** · Phone: **+61 474 903 399** · Mon–Sat **9:00 am – 5:00 pm** (in-house check measurement & installation across Greater Sydney)
Melbourne Showroom & Installation	**1C/224 Wellington Road, Clayton VIC 3168** (local check measurement & installation across Metropolitan Melbourne)
Adelaide Warehouse & Installation	**Warehouse 2, 248–250 Richmond Road, Marleston SA 5033** · Phone: **+61 409 294 633** (local check measurement & installation across Metropolitan Adelaide)
Other Australian Regions	Supply-only crate delivery (Brisbane, Perth, Canberra, Hobart and regional areas; local installation arranged separately by builder or owner)

2. Official AS 2047-2014 Certified Model Schedule (StandardsMark Licence SMK40453)

Under the National Construction Code (NCC) and **AS 2047-2014**, compliance applies to the specific fenestration models, maximum dimensions and Serviceability / Ultimate Limit State (SLS / ULS) wind pressures listed on the active certificate Schedule (Intertek SAI Global Licence **SMK40453**, re-issued 1 August 2025, valid until 19 July 2030; certification excludes site installation):

Fenestration Type	Certified Model ID & Description	Maximum Tested Size (mm)	SLS Design Wind Pressure (Pa)	ULS Design Wind Pressure (Pa)	Date Endorsed
Horizontal sliding door	**RS100** Aluminium Stacker Door / Aluminium Door	**2700H × 3200W**	**1600**	**3000**	28 Nov 2021
Projecting sash	**RS105** Aluminium Awning Window	**1500W × 1500H**	**1200**	**4000**	6 Aug 2018
Horizontal sliding window	**RS86** Sliding Window / Aluminium Window	**1500H × 1800W**	**600**	**1400**	9 Sep 2020
Swinging door	**RS68** Commercial Series / Aluminium Door	**2700H × 3200W**	**800**	**2000**	28 Nov 2021
Vertical sliding window	**RS83** Double Hung Window	**1600H × 800W**	**800**	**2000**	6 Aug 2018
Horizontal sliding door	**RS100** Commercial Series Aluminium Sliding Door	**3610W × 2370H**	**400**	**2000**	6 Aug 2018

Fenestration Type	Certified Model ID & Description	Maximum Tested Size (mm)	SLS Design Wind Pressure (Pa)	ULS Design Wind Pressure (Pa)	Date Endorsed
Horizontal sliding door	**RS86** Sliding Door / Aluminium Door	**2400H × 2700W**	**600**	**1400**	9 Sep 2020
Projecting sash	**RS86** Awning Window / Aluminium Window	**1800H × 1500W**	**600**	**1400**	9 Sep 2020

Verification Reference: Current certificate PDF and Schedule are published at https://www.rswindows.com.au/resources#certification and listed on the SAI Global public register (**SMK40453**).

3. Aluminium Window and Door Series Matrix & Engineering Parameters

Note on thermally broken series scope: **RS60 and RS85 cover thermally broken windows only (no door configurations); thermally broken door systems are engineered exclusively under the RS105 series.**

Series Family	Product Scope & Operation Types	Thermal Break & Frame Architecture	Glazing Pocket & Reference Parameters	Typical Sydney Application
RS60 Thermally Broken Window Series	Windows only: fixed picture, awning and casement windows (no doors)	**PA66GF25** polyamide thermal-break strip; supports dual-colour powder coating	Standard **AS 4666** double glazing; IGU pocket up to **28 mm**; panel height **400–2400 mm** (fixed) / **400–1800 mm** (awning)	Residential new builds, duplexes & thermal envelope upgrades
RS85 Thermally Broken Window Series	Windows only: awning, casement and tilt-and-turn windows (no doors)	**PA66GF25** polyamide thermal-break strip; multi-point compression sealing; dual-colour option	Standard **AS 4666** double glazing; IGU pocket up to **30 mm**; panel height **320–2600 mm** (awning)	High-insulation & acoustic residential openings
RS105 Thermally Broken Window & Door Series	Full window range (awning, casement, fixed, tilt-and-turn) **and** thermally broken doors (sliding, lift-and-slide, bifold, hinged)	Heavy-duty **PA66GF25** polyamide thermal break; **180°** lift-and-slide compression seal option; dual-colour option	Standard **AS 4666** double glazing; heavy-duty IGU pocket up to **47 mm**; **RS105** awning Schedule-tested to **1200 / 4000 Pa**	Custom architectural homes, coastal/exposed sites & **7-Star NatHERS** designs (subject to the project energy report)
RS138 (& RS168) Slimline Sliding Door Series	Minimalist architectural sliding, multi-track stacking and corner sliding doors	Ultra-narrow **22 mm interlock sightline**; concealed or low-profile sill options with engineered drainage	Standard **AS 4666** safety double glazing; IGU pocket up to **36.6 mm** (**RS138**) / **55.9 mm** (**RS168**)	Wide indoor-outdoor alfresco openings & panoramic views
RS50, RS86 & RS83 Residential Series	Awning (**RS50/RS86**), sliding window & door (**RS86**), casement, fixed, and vertical double-hung window (**RS83**)	Non-thermal architectural aluminium framing engineered for residential durability	Standard **AS 4666** double glazing across all series; **RS86** & **RS83** listed on **SMK40453** Schedule	Full-home window replacements, renovations & residential builds
RS100 & RS68 Commercial Series	Heavy-duty sliding doors, stacker doors (**RS100**), commercial hinged/swinging doors (**RS68**) and framing	High-capacity commercial profiles and heavy-duty rollers for wide/tall spans	Standard **AS 4666** double glazing; **RS100** stacker Schedule-tested at **2700H × 3200W** to **1600 / 3000 Pa**	Large residential spans, multi-residential, commercial & shopfronts

4. Glazing Compliance, Energy Rating Support & Bushfire (BAL) Scope

- **Standard Double Glazing (AS 4666):** Insulated glass units (IGUs) manufactured to **AS 4666** are supplied as the standard baseline configuration across all RS window and door series (single glazing or specialized laminated build-ups are supplied where specified by the project schedule).
- **Safety & Laminated Glass (AS 1288 & AS/NZS 2208):** Grade A toughened and laminated safety glass is engineered per opening location (wet areas, low-level glazing, doors and stairwells) in accordance with **AS 1288**. Glass product

certifications are held by glass supplier **Agsitech Glass** (**SMK41202** for AS 4666 IGUs and **SMK41201** for AS/NZS 2208 safety glass, confirmed per order).

- **NSW BASIX & 7-Star NatHERS Support:** Polyamide thermally broken profiles (**RS60, RS85 & RS105**) paired with Low-E and argon-filled AS 4666 double glazing are engineered to support NSW BASIX and Australian **7-Star NatHERS** thermal performance targets, *subject to the project energy report and window-to-wall ratio*.
- **Bushfire Attack Level (BAL) Options:** Configurations supporting **BAL-12.5 to BAL-40** requirements (toughened glass, metal screening and compliant seals) are available on selected series subject to project site assessment and quotation confirmation.

5. Site Measurement Protocol, Delivery Programme & Written Warranties

Procurement Stage	Standard RS Doors & Windows Operating Terms
Renovation & Window Replacement Measurement	**On-site check measurement as standard** in Sydney, Melbourne and Adelaide prior to production because existing masonry/timber openings frequently vary from rough dimensions. *(Interior plastering, architrave carpentry, wallpaper and tile make-good are excluded and must be arranged with separate trades.)*
New-Build Quotation & Optional Check Measure	Initial quotation and **CAD shop drawings** are engineered directly from architectural plans and window schedules. Where structural framing is already erected or site conditions differ from drawings, **optional post-framing on-site opening check measurement** is also available in Sydney, Melbourne and Adelaide.
Manufacturing & Shipping Lead Time	Approximately **10–12 weeks** to Sydney and Melbourne project sites (**14–16 weeks** to Adelaide) from signed shop drawings and receipt of deposit (comprising ~4–5 weeks production plus ~4–5 weeks sea freight and customs clearance). Standard minimum order quantity: **30 sqm**.
Payment Milestones	**Supply-only: 40%** deposit + **60%** prior to shipment. **Supply-and-install (Sydney/Melbourne/Adelaide): 40%** deposit + **50%** upon arrival at Australian warehouse + **10%** upon installation completion.
Warehouse Storage & Delivery Radius	DDP-to-site orders include up to **14 days free storage** in the Australian warehouse (plus up to **30 days free storage** at the factory). Standard metropolitan delivery applies within **50 km** of the local Australian warehouse.
Written Component Warranties	**10 years** on powder coating · **10 years** on aluminium frames · **7 years** on Australian-brand hardware · **3 years** on insulated glass units (governed by the signed project warranty document).
Completed Project Reference Maps	Sydney: **https://www.pinmaps.net/map/238781/rswindows** · Melbourne: **https://www.pinmaps.net/map/239303/rswindows** · Adelaide: **https://www.pinmaps.net/map/257463/rswindows** *(Maps are maintained for project record reference only so clients can check nearby projects and basic product usage; to arrange any site viewing, contact the RS team directly.)*

Publisher & Compliance Note: Published by Australia RS Doors & Windows Pty Ltd (ABN 59 629 271 227 · AGWA Member No. 2001 · 109 Lakemba Street, Belmore NSW 2192 · +61 474 903 399 · https://www.rswindows.com.au/). All technical specifications, certified model dimensions and warranty terms are subject to the signed project quotation, approved CAD shop drawings and active StandardsMark Licence SMK40453 Schedule.