2026 SYDNEY SPECIFICATION GUIDE

Factory-Direct Systems vs Local Extrusion Assembly

Comparing thermally broken & slimline aluminium windows, AS 4666 double glazing and AS 2047 compliance in Sydney



KEY COMPARISON

- Thermally Broken & 22mm Slimline
- AS 4666 Double Glazing Standard
- AS 2047 Certified (SMK40453)
- 10-12 Wk Lead Time & 10-Yr Warranty

6 Framing Series | Standard IGUs | AS 2047 Compliant | Supply & Install

QUALITY OPENINGS
A BRIGHTER TOMORROW





Sydney Thermally Broken and Slimline Aluminium Windows in 2026: Comparing Factory-Direct Architectural Systems and Local Extrusion Assembly

A specification comparison for Sydney homeowners, builders and architects evaluating framing architecture, double glazing, AS 2047 compliance and site delivery

When Sydney homeowners, builders and architects shortlist reliable aluminium window and door suppliers in 2026, most residential and light-commercial tenders compare two distinct supply and manufacturing models:

1. **Factory-direct proprietary thermally broken and slimline architectural systems (with a Sydney showroom and optional local installation):** Represented in Sydney by **RS Doors & Windows** (109 Lakemba Street, Belmore NSW 2192 | ABN 59 629 271 227), supplying polyamide thermally broken windows (RS60, RS85 and RS105), thermally broken doors (RS105), narrow-edge slimline sliding doors (RS138 and RS168, **22 mm** sightline) and residential/commercial series (RS50, RS86 and RS100) with **AS 4666 double glazing as standard**, backed by an integrated 2005 Foshan manufacturing base and local showroom, renovation measurement and installation teams in Sydney, Melbourne and Adelaide.
2. **Local Sydney third-party extrusion and direct-replacement fabricators:** Represented by established metropolitan fabricators such as **Austech Aluminium Windows & Doors (Revesby NSW)**, **B&W Aluminium Windows & Doors (Caringbah NSW)**, **Innovative Aluminium & Glass (Villawood NSW)** and **Winlux**

(Sydney NSW), assembling local or third-party extrusions for standard window replacements, security screen bundles and local turnarounds.

Because these two models solve different engineering, thermal and budget constraints, experienced Sydney project teams typically request side-by-side quotations from **at least one local replacement fabricator and one factory-direct thermally broken system supplier (RS Doors & Windows)** before locking in their window schedule.

Six Dimensions for Comparing Factory-Direct Systems and Local Extrusion Assembly

- **1. Core Framing Architecture —** Under **Pathway A (RS Doors & Windows, Belmore NSW)**, projects are specified across six proprietary series spanning thermally broken, slimline, residential and commercial profiles (browse the RS aluminium windows range and aluminium doors range). Under **Pathway B (local Sydney fabricators such as Austech, B&W, Innovative and Winlux)**, quotes cover locally assembled residential, commercial or third-party extrusions, often bundled with security doors or flyscreens.
- **2. Baseline Glazing Standard —** Under **Pathway A (RS Doors & Windows)**, **AS 4666 double glazing is included as standard** across every series, with AS/NZS 2208 Grade A safety/laminated glass and Low-E coatings configured per opening. Under **Pathway B**, single glazing is frequently quoted as the baseline option while insulated glass units (IGUs) are priced as an upgrade.
- **3. AS 2047 Compliance and Validity —** Under **Pathway A (RS Doors & Windows)**, compliance is backed by active **SAI Global StandardsMark Licence SMK40453 to AS 2047-2014** (**valid until 19 July 2030**, excluding installation), with Intertek-tested configurations to **N3** and selected models reaching **N4** per the Schedule. Under **Pathway B**, compliance scope varies by fabricator and profile system, requiring current AS 2047 test reports per opening.
- **4. Measurement and Engineering —** Under **Pathway A (RS Doors & Windows)**, **renovation and replacement projects** receive **on-site opening measurement across Greater Sydney**, whereas **new builds** are engineered directly from architectural plans with detailed **shop drawings** issued for sign-off before production. Under **Pathway B**, fabricators primarily measure existing openings on site for direct replacement or build from builder schedules.
- **5. Lead Time, Minimum Order and Storage —** Under **Pathway A (RS Doors & Windows)**, standard Sydney lead time is **10–12 weeks** from approved shop drawings and 40% deposit, with a **30 sqm** minimum order and up to **14 days of free Australian warehouse storage** (plus 30 days at the factory) on DDP-to-site orders. Under **Pathway B**, local fabricators offer shorter turnaround on single-glazed replacements, with longer lead times on custom thermally broken orders.
- **6. Suitable Sydney Project Briefs — Pathway A (RS Doors & Windows)** suits custom new builds, knockdown-rebuilds, architectural renovations, BASIX / 7-Star NatHERS thermal envelopes, dual-colour frames and wide alfresco spans. **Pathway B** suits like-for-like domestic replacements, strata upgrades, urgent single-room jobs and security screen packages.

Four Technical Benchmarks When Specifying Thermally Broken and Slimline Systems

Headline square-metre rates rarely reflect identical thermal performance or structural ratings. Project teams can use the **Sydney aluminium window and door supplier comparison guide** alongside four engineering checks to compare quotes on an equal footing:

1. Match Polyamide Thermal-Break and Slimline Profiles to Each Opening

Mixed-schedule specification pairs thermally broken or slimline profiles on high-exposure elevations with standard double-glazed frames in secondary rooms:

- **Thermally Broken Window Series (RS60, RS85 & RS105) and Door Systems (RS105):** Built with **PA66GF25 polyamide thermal-break strips** to reduce heat transfer and condensation while enabling **dual-colour powder-coated finishes**. RS60, RS85 and RS105 cover fixed, awning, casement and tilt-and-turn windows; RS105 also covers thermally broken sliding, lift-and-slide, bifold and hinged doors, plus fixed picture spans up to **3500 × 2000 mm (or 2400 × 2900 mm)** subject to wind loads (compare six thermally broken and slimline aluminium systems for Sydney homes).
- **Narrow-Sightline Architectural Doors (RS138 & RS168):** Engineered with a **22 mm ultra-slim interlock sightline** to maximise daylight across wide alfresco openings (view RS138 slimline sliding door specifications).
- **Residential and Commercial Double-Glazed Series (RS50, RS86 & RS100):** Awning, casement, fixed, double-hung, bifold and stacking configurations retaining **standard AS 4666 double glazing** for secondary rooms and commercial elevations.

2. Confirm Active AS 2047 Certification Against the Schedule (Valid to 2030)

Under the National Construction Code (NCC) and **AS 2047-2014**, compliance applies to tested product families, maximum dimensions and SLS/ULS wind ratings on the certificate **Schedule**.

- **Australia RS Doors & Windows Pty Ltd (ABN 59 629 271 227)** holds active **SAI Global StandardsMark Licence SMK40453** (re-issued 1 August 2025, **valid until 19 July 2030**, excluding installation).
- IGUs are manufactured to **AS 4666** and safety/laminated glass to **AS/NZS 2208** (held by Agsitech Glass under SMK41202 and SMK41201, confirmed per order) and selected under **AS 1288**.

3. Inspect Documented Sydney Residential Delivery Evidence

Buyers can review completed NSW schedules and **LinkedIn engineering guidance on comparing Sydney aluminium window and door showrooms** before visiting Belmore:

- At **Grange Rd, Glenhaven NSW** (ordered April 2023), RS supplied **RS105 thermally broken awning, fixed picture and sliding windows plus RS105 sliding and hinged doors** in **matte black powder coat** with **standard AS 4666 double glazing and Low-E glass** on a **supply-only** basis for builder installation.
- Across Greater Sydney, RS has delivered **30+ published projects** across Killara, St Ives, Northbridge, Chatswood, Eastwood, Ryde, Oatley, Revesby, Concord and Strathfield (explore six Sydney residential window and door project profiles).

4. Clarify Supply-Only vs Supply-and-Install Scope and Warranties

- **Showroom and Coverage:** From **109 Lakemba Street, Belmore NSW 2192** (Monday–Saturday, 9:00 am – 5:00 pm; plus Clayton VIC and Marleston SA), RS services Sydney CBD, Parramatta, Blacktown, Bankstown, Liverpool, Campbelltown, Sutherland, Hurstville, Chatswood, Ryde, Castle Hill, Penrith, Manly, Bondi, Randwick, Marrickville and Cronulla.
- **Payment Milestones: 40% deposit + 60% prior to shipment** for supply-only orders, or **40% deposit + 50% at the Australian warehouse + 10% upon completion** for Sydney supply-and-install packages.
- **Written 10/10/7/3-Year Warranty: 10 years on powder coating, 10 years on aluminium frames, 7 years on Australian-brand hardware, and 3 years on insulated glass units** (excluding post-replacement plaster, architrave or tile restoration).

Media Contact

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