

**\*\*\* Published Work Sample (Original URL No longer Active) \*\*\***

PAGE TITLE: Thermally Broken Aluminum Residential Doors | Sunny Lux  
Extreme Performance for High-End Custom Homes, Condos & More

URL: Create Brand New

TOP INTRO PARAGRAPH:

Shop thermally broken aluminum residential doors at PRL of Southern California! Featuring a slim, fully mitered sash, easy one-handed operation, and installer-friendly adjustable jambs, there's no reason to bid anywhere else. Our Sunny Lux aluminum doors bring the best features to high-end residential entries like custom homes, luxury condos, and coastal retreats. Our thermally broken aluminum residential doors deliver extreme performance with true thermal breaks and optional impact or hurricane resistant glass. Successfully tested in North America, you can specify standard or custom applications, multiple door options, and color-matched hardware. So, get yours today! Our thermally broken aluminum residential doors arrive in just 2 weeks!

IMAGE ON LEFT: thermally-broken-residential-doors

HEADING ON RIGHT: Thermally Broken Aluminum Residential Doors. Increase Natural Light & Curb Appeal

CONTENT BELOW HEADING:

We manufacture all thermally broken aluminum residential doors in our facility. Including a narrow vertical stile of only 2 1/8", these thermally broken glass doors offer a refined look while boosting natural light and curb appeal. Available as single or double doors, you can quote our Sunny Lux [aluminum doors](#) with inswing or outswing configurations in sizes up to 48" W x 120" H. Max door weight for our thermally broken aluminum residential doors is 250 lbs. and its door thickness measures 2 7/8".

With our thermal break aluminum doors, you can match any site condition with flexible thresholds. For tailored accessibility and performance, sill options for our thermally broken aluminum residential doors include low sills without ramps, low sills with double ramps, high sills without ramps, and high sills with single ramps. A hearty 4-point locking system enhances security while tightening seals for quieter, more efficient entries. Installer-friendly from frame to finish, our thermally broken aluminum residential door jambs adjust up to 1/4" per side for faster setup, cleaner reveals, and a smooth, reliable close.

Sunny Lux aluminum doors can be generated with [1/8" IG units](#) in assorted color selections, or optional impact resistant glass for higher security levels. For finishes, you can pick from a collection of popular architectural finishes for your thermally broken aluminum residential doors such as anodized, powder coats and Kynar paints—and even custom clad finishes. These choices make it simple to dial in both performance and aesthetics for each residence. Call for info. Thermally broken glass door finishes may be subject to changes.

IMAGE ON RIGHT: thermal-door-test-results

HEADING ON LEFT: Sunny Lux Aluminum Doors. Test Results & FAQ's

CONTENT BELOW HEADING:

PRL's thermally broken aluminum residential doors are successfully tested in North America, validating energy, air, water, and structural performance. AAMA 1503-09 Thermal Performance: 0.40 BTU/h·ft<sup>2</sup>·°F supports comfortable interiors and energy efficiency. ASTM E 283-04 (2012) Air Leakage Resistance: 0.26 cfm/ft<sup>2</sup>, and ASTM E 547-00 (2009) Water Penetration: 150 Pa (3.13 psf) — Pass. For strength, ASTM E 330-14 Uniform Load Structural Test: 30.08 psf (positive & negative) demonstrates dependable resilience for residential and light commercial entries.

TEXT LINKS TO INSERT: None

What is a Thermal Break & What Does It Do in Your Sunny Lux Aluminum Doors?

A thermal break is an insulated barrier built into the door's frame. This separates the exterior aluminum from the interior aluminum to stop heat and cold from conducting through the door. By interrupting thermal bridging, our thermally broken aluminum residential doors lower heat transfer (for better U-factors), reduce interior condensation, and improve year-round comfort and efficiency.

Can I Purchase These Residential Entrance Doors with Other Glass Types Besides IG Units & Impact-Resistant Panels?

Yes. Our thermally broken glass doors accept a host of glazing options. In addition to 1/8" IG units in a variety of colors and impact-resistant glass, you can get clear tempered, tinted and reflective glass sheets as well as [Switch-It Privacy glass](#), textured patterns and custom sandblasted designs. Call to confirm as options may be subject to changes.

How Will Your 2-Week Lead Time Benefit My Thermally Broken Aluminum Residential Door Project?

PRL's 2-week lead time keeps your thermal break aluminum door job on schedule by compressing the critical path and preventing idle crews. You get on-time delivery of our thermally broken aluminum residential doors so installation lands exactly when you need it. Also, a faster turnaround lowers general contractors' overhead and storage risk, helps you hit inspection windows, and gets you to certificate of occupancy and move-in sooner.

#### BULLETS HEADING: Thermally Broken Aluminum Residential Doors: Features, Specs, Sill Options & More

Bullets on Left:

Thermally Broken Glass Door Features:

For high-end residential entrances

Extreme performance & thermally broken

Installer-friendly & easy one-handed operation

Slim, fully mitered sash

Multiple threshold options

Color matched hardware

Customizable applications

Leadtime: 2 Weeks

Residential Entry Door Finishes:

Call for info. Finishes may include:

Anodized, powder coats, Kynar paints & clad

Sunny Lux Door Sill Options:

Low sill w/o ramp

Low sill w/double ramp

High sill w/o ramp

High sill w/single ramp

Bullets on Right:

Sunny Lux Door Specs:

Configurations: Inswing & outswing

Available Door Types: Single & double

Locking System: 4-point

Adjustable Jamb: Up to 1/4" per side

Narrow Vertical Stiles: 2 1/8"

Door Thickness: 2 7/8"

Max Door Size: 48" W x 120" H

Max Door Weight: 250 lbs.

Thermally Broken Aluminum Door Glass Types:

1/8" insulated glass unit with varied color options

Optional impact resistant glass for a higher level of security

Test Procedures & Results:

AAMA 1503-09 Thermal Performance: 0.40 BTU/h·ft<sup>2</sup>·°F

ASTM E 283-04 (2012) Air Leakage Resistance: 0.26 cfm/ft<sup>2</sup>

ASTM E 547-00 (2009) Water Penetration: 150 Pa (3.13psf)- Pass

ASTM E 330-14 Uniform Load Structural Test: 30.08 psf (Positive & Negative)

COMMERCIAL USE HEADING: Thermally Broken Aluminum Residential Doors in Commercial Applications:

Our Sunny Lux doors also excel in commercial entrances that require ultra-slim stiles and superior energy efficiency.

These thermal break glass doors seamlessly translate into boutique retail façades, hospitality lobbies, and wellness studios where clean sightlines and abundant daylight are in demand. Order PRL's thermally broken aluminum residential doors with optional impact-resistant glass to hit stricter performance targets without sacrificing design.

Thermal Break Aluminum Doors in Commercial Applications:

Ultra-slim 2 1/8" stiles for maximum glass area

True thermal break for improved energy efficiency

Optional impact-resistant glass for higher security levels

4-point locking system & adjustable ¼" jambs per side for quick installs

BOTTOM HEADING: Buy Thermally Broken Aluminum Residential Doors at PRL!

CONCLUSION:

You'll get top performance and abundant glass views for high-end custom homes, condos and more!