



The Tyrol Swing Door offers builders and architects a European-inspired solution for modern residential and commercial projects. Framed in Tyrol Edge, its sharp lines and slim profiles maximize glass and natural light, while internal reinforcement delivers enhanced structural rigidity and hardware stability. Multi-chambered profiles with a Passive House frame U-factor of 0.18 provide thermal performance suitable for Passive House and other stringent energy standards. Phius certification underway.

Up to
R-7



- **Clean, Modern Profile:** Minimalist geometry and restrained detailing create a refined architectural look.
- **Reinforced Frame Construction:** Continuous internal reinforcement delivers exceptional rigidity and strength.
- **Minimalist Barrell Hinges:** Clean, modern lines with minimal visual disruption.
- **High-Capacity Multipoint Hardware:** Smooth movement, confident security, and built-for-life durability.
- **AlpenGlass Insulated Glass Units:** Deliver enhanced energy efficiency, comfort, and acoustic performance.
- **Built for High Performance:** NFRC whole-door ratings up to R-7 (U-0.15) with a full range of glazing options for maximum energy savings and comfort

Thermal Performance Data

ThinGlass Triple (TGT) / ThinGlass Quad (TGQ)

TR-6 EDGE FULL FRAME NFRC DATA						
Glass Package	U-Factor	R-Value	SHGC	VT	CR	Air Infiltration
SolarControl-6 TGT	0.19	5.3	0.16	0.35	73	≤0.10 cfm/ft ²
Balanced-6 TGT	0.19	5.3	0.22	0.36	73	≤0.10 cfm/ft ²
HighGain-6 TGT	0.20	5.0	0.35	0.43	73	≤0.10 cfm/ft ²
SolarControl-9 TGQ	0.18	5.6	0.16	0.35	69	≤0.10 cfm/ft ²
Balanced-9 TGQ	0.18	5.6	0.23	0.36	68	≤0.10 cfm/ft ²
HighGain-9 TGQ	0.18	5.6	0.36	0.44	68	≤0.10 cfm/ft ²
SolarControl-11 TGQ	0.16	6.3	0.15	0.33	68	≤0.10 cfm/ft ²

Thermal performance results calculated according to NFRC. NFRC Certification is underway. COG values calculated based on NFRC 2010 using LBNL Window 7.8 and represent nominal performance for glazing only.

Size Options

Configuration	Min.Width	Min.Height	Min. Size for IRC R311.2 Egress	Max. Width at Full Height	Max. Width at Reduced Height	Max. Sash Weight
Single Swing	31-1/8" *	79-5/8" *	39-1/8" x 81-5/8"	42" x 96"	44" x 88"	187 lbs
French Swing	59-5/8" *	79-5/8" *	75-3/4" x 81-5/8"	78" x 96"	84" x 88"	187 lbs

*The minimum size shown provides the smallest generally acceptable door opening (24" x 76"); smaller sizes, (down to 28 x 76 Single and 58 x 76 French), are permitted but are not typically suitable for door applications

Performance Details



Design Pressure
30 psf - 40 psf



Performance Class
LC & CW



Passive House Performance
Frame: Uf,m - 0.18-0.23 | Door: Uw - 0.14 - 0.17*
*with COG Ug-0.12

Frame Colors

White

Night Black

Anthracite Grey

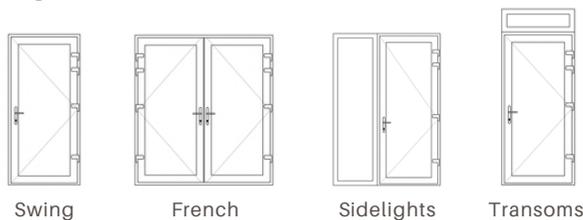
Night Black/White*

Bronze NA

*Two-tone split finish not available on outswing doors

Printed colors provide a general reference and are not an exact match to the final product. Other finish options are available but will be subject to additional charge and lead time.

Configurations



Hardware Colors

White

Bronze

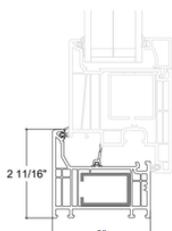
Nickel

Black



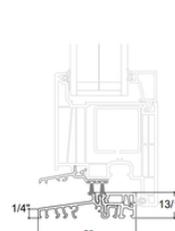
Printed colors provide a general reference and are not an exact match to the final product. Order samples on our website at www.thinkalpen.com.

Sill Options



High Performance
Best option for air- and water-tightness and thermal performance. Utilizes window frame as sill, with a nominal 2 3/4" stepover height. Rescissible for a lower threshold.

Best For: Balcony Doors; Patio Doors, Passive House Applications



Low Profile
Smooth transition between interior and exterior. Durable, high-strength aluminum construction. Thermally broken and designed for easier access with nominal 3/4" stepover height.

Best For: Main Entry Door, Moderately Protected Openings