



Terrace Swing Doors: Performance Matters



# More design possibilities



Discover the difference of Terrace Swing Doors by Innotech. Enhance the look and comfort of your living space with your choice of terrace door, available in inswing and outswing, single door or double doors, and with or without windows. Ideal for new construction and renovations, Innotech Terrace Swing Doors are more than just doors – they are beautiful focal points that add value, comfort, and security to your home!

## SWING DOORS by Other Manufacturers

## TERRACE SWING DOORS by INNOTECH<sup>1</sup>

### + Security

Police and insurance companies can attest to the fact that doors (and windows) are the main entry points for break-ins. Swing doors offer merely an “in with a kick” resistance.

We can change that! Innotech doors are high security doors with multipoint locking hardware, high security hinges, and internal steel reinforcement. Be worry free at home or away from home, knowing that the doors will provide a much higher level of protection against intruders.

### + Air Tightness

Poor and most often not tested. Weatherseals are not durable and design and placement does not offer effective performance.

Triple weatherseals provide maximum air tightness of 0.03 CFM/SF or A3 rating. Draft-free durable design ensures energy savings and comfort.

### + Water Resistance

Water intrusion will damage the door frame and potentially cause damage to the surrounding structure and interior finishing. Doors often need replacement after only a few years; cost for replacement and repair can often be substantial.

Better performing doors is insurance that you won't have water problems.

Welded frame and triple weatherseals provide some of the highest watertight ratings. Even double doors are tested for 6 PSF or 300 PA rating. Ideal for applications where doors are exposed to rain or ocean spray.

### + Energy Efficiency

Exterior doors are well-known to be one of the least energy efficient components in the building envelope. Drafts are not only uncomfortable for the occupants of a home, but they also decrease the energy efficiency leading to higher energy costs and greenhouse gas emissions.

Very low heat transfer. Choose between high and extreme performance glass:

<b>Double Pane Glass</b>	<b>Triple Pane Glass</b>
U-Value (imp.): 0.28	U-Value (imp.): 0.19
SHGC: 0.26 S	HGC: 0.22
U-Value (metric): 1.59	U-Value (metric): 1.08

## SWING DOORS by Other Manufacturers

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### + Structural Strength

Structural strength and integrity is critical to long term durability. Many wood and other doors are typically not tested for wind resistance. Structural performance is not known.

Innotech doors are engineered and subject to stringent test requirements: steel reinforced frame offers high wind load resistance. They are ideal for residential, low rise, and high rise applications. Structural integrity translates to a durable door that functions better, longer.

### + Warping

All wood components are subject to warping due to drying and/or swelling. Depending on residual moisture content in the wood as well surrounding temperatures and moisture content, the warping effect will vary to a large degree. Industry accepted warp tolerance is up to 3/8" over 80" and 7/16" over 96". When the door warps, this causes air, water, and noise to enter the home, and the door will need to be replaced.

Steel reinforced, warp-resistant frame offers decades of optimal performance. Innotech doors do not warp: the doors remain airtight, water tight, sound proof, and secure. People inside the building will experience the difference.

### + Hardware Components

Low grade, painted hinges and brass plates may easily show signs of rust within only a few years.

Hardware components exceed 1,000 hour salt-spray performance test. No rust guaranteed.

### + Energy Star<sup>®</sup>

Many swing doors do not meet Energy Star requirements. In addition, Energy Star and other rating systems do not measure the full impact of air tightness of the door and frame sash assembly. While the glass may be rated in some doors, it is likely the overall unit still allows air to escape and enter. Besides discomfort, drafty doors are heat and energy guzzlers.

Innotech triple glazed swing doors meet Energy Star Zone D in Canada – North America's coldest climate zone – and exceed all US Energy Star requirements. In addition, they provide excellent air, water and sound resistance to ensure excellent performance.

### + Sound Resistance

Little sound resistance: noise pollution creates stress and stress related illnesses.

Air tightness means ultra quiet and comfortable living spaces. Eliminate noise related stress and create a more relaxed atmosphere in your home.

### + Glass Type

A small airspace of 1/4" or 3/8" is common. Energy efficient features such as argon fill and soft low-E coating are often not included.

Standard glass is 1" double pane glass unit with 5/8" airspace. Argon fill and soft low-E coating are included. Other glass types for additional energy, performance, and security requirements are available.

### + Design Flexibility

Standard sizes only. Custom sizes available at additional cost. The head height of the door most often does not match up with the windows creating visual inconsistent lines. The visible glass area of the door is reduced significantly by the wide sash rails and stiles.

All doors are built to fit existing opening. No special size charges. Great for renovations. Available in various sizes, combinations (inswing or outswing single doors, double doors, and doors with top or side windows), designs, and colors.

Fill your home with natural light and seamlessly connect your living space to the outdoors with large glass areas.





An investment in performance

**+Value**

**SWING DOORS  
by Other Manufacturers**

Actual point of purchase price difference does not reveal what a conventional door will really cost. After purchase, additional money needs to be spent immediately on painting and installation of hardware. As well, doors will require ongoing regular re-painting and maintenance service to replace frame gaskets, door sweeps, and adjustments to keep them in working condition. The impact of potential added direct and indirect hidden short and long term expenses must be evaluated. It is difficult to estimate but the potential effect of energy loss through air leaks; damages to the building caused by water leaks; and the threat of property and/or personal losses through easy break and enters, can not be ignored.

**TERRACE SWING DOORS - VALUE  
by INNOTECH<sup>1</sup>**

Innotech doors are beautiful focal points that add value, comfort, and security to your home!

No need to worry and spend money for ongoing painting and maintenance service. Durable, energy efficient doors eliminate uncomfortable drafts, water leaks and drastically reduce the threat of break ins, offering peace of mind.

Innotech doors don't give you more than what you need, just more than you are used to.

<sup>1</sup> All test results are for single doors with double pane glass unless otherwise noted. Excellent test results for double doors and triple pane glass also available.

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