



Engineered in Germany and performance tuned in North America, Innotech R5+ windows and doors feature a Hybrid Steel and uPVC framing system, triple weatherseals, multipoint locking hardware, and triple glazed units. Discover energy efficient windows and doors with outstanding thermal insulation, superior air, water and sound resistance, and remarkable durability.

Innotech R5+ Windows & Doors

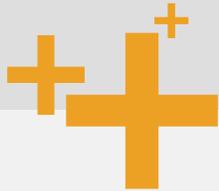
innotech
windows + doors
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The TRTL is Team Canada's entry in the 2011 Solar Decathlon. It is a net-zero home that features a range of materials that offer resistance to mold, fire and the extreme elements of Southern Alberta, Canada, including R5+ Tilt + Turn Windows and Terrace Swing Doors. Visit innotech-windows.com/solardecathlon for more information.

Architects and building envelope professionals specify Innotech products for demanding applications and major retrofit projects. Innotech R5+ windows and doors have been used in many LEED® certified projects in both Canada and the United States.

Innotech R5+ windows and doors feature an advanced glazing system with three panes of glass with 1/2" space between the panes and an overall thickness of 1 1/2" for optimal thermal performance. They also include a warm edge spacer, argon gas fill and two coatings of high-performance Low-E coatings. Innotech R5+ windows and doors are structurally engineered to support the weight of a high-quality triple pane sealed unit to guarantee a long service life.



+ Resistance to Heat Loss

Innotech R5+ fixed windows have an NFRC U-factor of 0.17 Btu/h-ft² (R5.9). R5+ Tilt +Turn Windows and Terrace Swing Doors have an NFRC U-factor of 0.19 Btu/h-ft² (R5.3). They also exceed the requirements of both Canadian and US ENERGY STAR programs.

+ Resistance to Air Leakage

Innotech R5+ windows and doors are among the most air tight available, with laboratory measured air leakage between 0.01–0.15 L/s·m² at 75 Pa, less than 1/10 the maximum allowable for CW products in AAMA/WDMA/CSA 101/1.S.2/A440-08.

+ Resistance to Water Penetration

Innotech products successfully resist water penetration at test pressures between 730 – 1000 Pa (15 – 20 psf).

The R5+ doors are also available with low profile Barrier Free/ADA-adaptable sills and achieve a 500 Pa (10 psf) water penetration resistance rating.

+ Wind Load Resistance

Innotech R5+ products are ideal for project specific design pressures typically ranging between 1.7 – 3.5 kPa (35 – 70 psf) and are used in mid and high-rise applications in both Canada and the US.

+ Effective Ventilation

Natural ventilation is possible by easily tilting the windows; as warm air rises, it escapes at the top, while fresh air enters at the sides.

+ Resistance to Forced Entry

The windows and doors feature multipoint locking hardware, steel reinforcement and welded frame construction to offer the highest physical resistance to forced entry as per ASTM F588 Grade 40.

+ Designed to Last

The proven useful life expectancy of the windows and doors is a minimum of 40 years. Innotech R5+ products are also designed to be maintainable, with easy to replace components such as glass, gaskets or hardware. The hardware system even includes three-way adjustments to maintain performance in spite of minor building settlement and wear. At the end of their long life cycle, the products can be 100% recycled.



Learn more at www.innotech-windows.com