

Built to Save you Energy





Introducing a new generation of high-performance and energy efficient steel doors

Inspired by European design but built for the harsh Canadian winter, the new High Performance (NHP) system meets the growing demand for environmentally-friendly products. These new doors combine innovative construction and strong design and are the perfect option when designing your new home or sprucing up your current one.

The High Performance system features best-in-class insulation for indoor comfort, superior energy performance and exceptional soundproofing. Its components are designed to last and offer you peace of mind, so you can rest easy for years to come.

On the cover: Soho NHP steel door with triple glazed Avenue stained glass. Photo: @kirsten.diane

Opposite page: Victoria NHP steel door. Photo: Jérôme Lavallée with FÉLIX & Co

Structure

Secure

Doors need to hold up to whatever life throws at them. We made the High Performance door thicker and more resistant, doubling the structural integrity. The 2 ¼-inch thick door uses 30% more steel and its PVC-clad wooden stiles make it safer and much more difficult to damage than a traditional door.

More than

2x

the structural integrity
of a standard door

Up to

PG 90

in structural
resistance



Insulation



Energy Efficient

The High Performance door contains an additional ½ inch of insulating foam over its entire surface and is perfectly suited for triple-glazed doorglass made with two low-emissivity films, offering significantly better energy efficiency than a standard door.

Door

30%

more insulation

Doorglass

65%

greater thermal
resistance



Photo by Inside Weather on Unsplash

Air

Comfortable & Soundproof

Draftproofing your door will vastly improve the comfort of your home by keeping temperature and humidity stable. A continuous weatherstrip surrounds the High Performance door. This sealing technique inspired by the automotive industry significantly reduces air infiltration and boosts soundproofing, as the strip acts as a barrier to minimize outside noise.

Up to

4x

less air infiltration
compared to a
standard door

Less than

0.13 litres

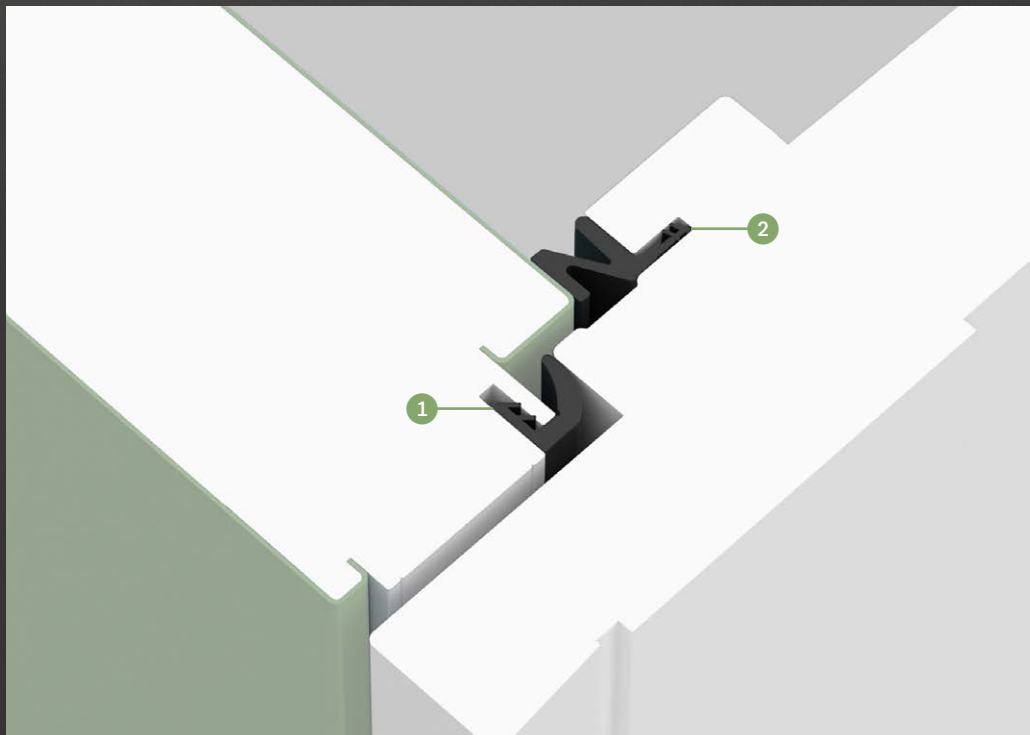
per second per m²
of air infiltration

Weatherproof

The High Performance system features a unique airtight seal, along with a second highly reliable weatherstrip, that, together, add an additional layer of protection. They are able to withstand up to 540 Pa of pressure during water infiltration tests—a pressure roughly equivalent to that of a storm with 110 km/h winds!

Up to
2x
more resistant to
water infiltration

Up to
PG 75
for water infiltration
resistance



1. Continuous EPDM weatherstrip surrounding the door.
2. Water seal on three sides.

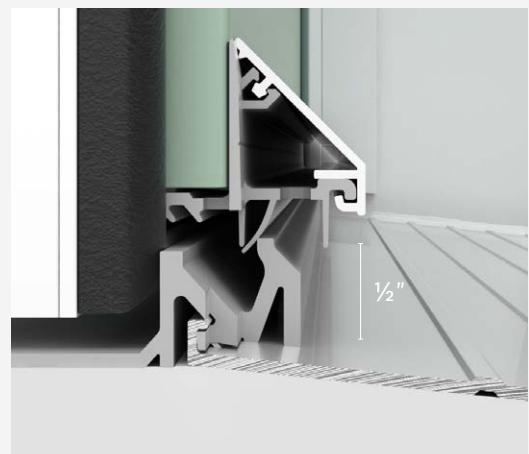


Durable

The High Performance system is built to provide comfort for years to come. Thanks to its sturdy construction, durable anodized aluminum-clad sweep and rigid PVC-covered edges the door's structure is protected against the elements, which will significantly extend its lifespan.

Accessibility

The High Performance system boasts, at $\frac{1}{2}$ inch, one of the lowest thresholds on the market, especially for such a high performance steel door. This makes it easier for everyone, especially those with mobility issues, to get in and out.



Unrivaled

The High Performance system is the result of a rigorous research and development process that took all technical aspects into account and improved them. The product has set new benchmarks during on-site performance testing and offers the level of comfort and energy efficiency our clients expect. The system also meets the ENERGY STAR standards, even when combined with doorglass up to 22" x 64".

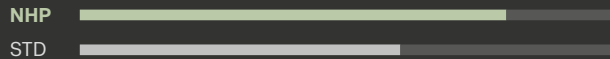


ENERGY STAR

All NHP system configurations will meet ENERGY STAR requirements*.

Insulation

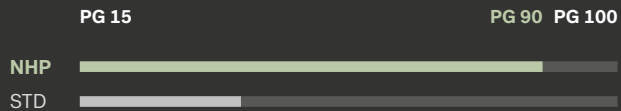
30% more



Structural Resistance

PG 90

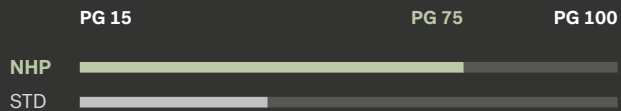
2x more



Water Penetration Resistance

PG 75

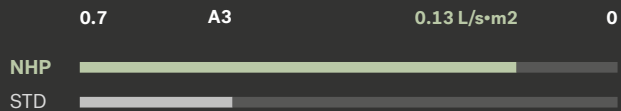
2x more



Air Leakage Resistance

A3 (0.13 L/s•m²)

4x more

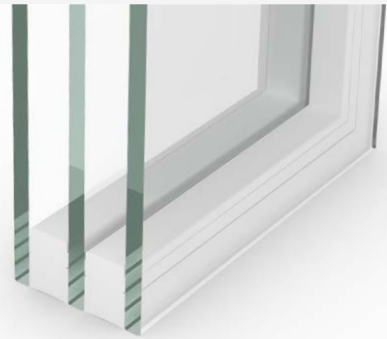


* Results based on simulations carried out in lab tests.



Triple Glazing

High Performance doors use triple-glazed doorglass that features two low-E films to ensure that this additional opening remains energy efficient.



Decorative Doorglass

Do you wish to let as much light as possible into your home? A wide range of decorative doorglass styles can be combined with your new High Performance door. Choose a model among these categories to create an outstanding doorway.



Silkscreen



Textured Glass




Stained Glass



V-Groove

High Performance System



 NHP doors are white and can be painted the colour of your choice. The colours suggested by Novatech are provided as guidance only. Make sure you pick the right colour using a paint swatch before ordering your door.

Specifications

Available Panel Widths: 32", 34", 36"

Frame Heights: 81 5/8", 82 5/8" / Uno (A01) also available at 97 5/8"

Thickness: 2 1/4"

Backset: 2 3/4"***

Configuration: Left or Right / INSWING

** Compatible with North American hardware. Requires extension kits due to the door's thickness.

Features

- Rebated door with dual weatherstrips. (air and water.)
- Air weatherstrip surrounding the entire panel in a single, unbroken loop.
- Seal located on the outside face of the door.
- Hardware installed on the warm side of the door, inside the house.
- 2 1/4-inches thick slab made with 30% more steel.
- PVC clad wood stiles. (no exposed wood.)
- PVC sweep with anodized aluminum cladding.
- Compatible with North American hardware. (extension kit required.)
- Compatible with standard entry door frames using available frame adaptor kit.
- Superior finish, look and durability.
- 1 1/2-inch triple-pane insulated doorglass (all models available on demand)



Uno NHP steel door with aluminum decorative accents



Energy-Efficiency Grants

High Performance Doors are eligible for certain energy-efficiency grants.

Ask your dealer today for more information.

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DOORS 

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