

Novatech[®]

NHP

High Performance
System



High performance and energy efficiency: Introducing a new generation of steel doors

Inspired by European design but built for the harsh Canadian winter, the new Novatech High Performance (NHP) system is an answer to the growing demand for environmentally-friendly product choices. Combining innovative construction, robust design and ease of operation, it's the perfect solution for your new home or renovation project.

The NHP system features best-in-class insulation to guarantee indoor comfort, superior energy performance and exceptional soundproofing. Its components are designed for durability and peace of mind, letting you rest easy for years to come.

Strong as steel

Doors need to hold up to whatever life throws at them. We've made the High Performance door thicker, sturdier, and more resistant than standard products. The 2 ¼-inch thick slab features 30% more steel and PVC-clad wooden stiles that double its structural integrity, ensuring a tougher door that holds its shape even in the extreme cold. NHP's exceptional structural performance is achieved without using multipoint hardware.

More than

2x

the structural integrity
of a standard door

Up to

PG 90

in structural
resistance





Enhanced insulation

NHP doors have $\frac{1}{2}$ -inch thicker insulating foam than a standard door. The $2\frac{1}{4}$ -inch slab accommodates triple-pane doorglass with a second Low-E coating, ensuring energy performance far superior to standard one-inch windows.

Door

30%

additional insulation

Doorglass

65%

greater thermal
resistance

Airtight seal for greater comfort

Comfort is about controlling air infiltration into your home. Stopping leaks from coming through the door can go a long way to keeping temperature and humidity levels stable. A weatherstrip surrounds the entire door in an unbroken loop. When compressed against the frame, the weatherstrip prevents virtually all air infiltration.

Up to

4x

less air infiltration
compared to a
standard door

Less than

0.13 liters

per second per m²
of air infiltration

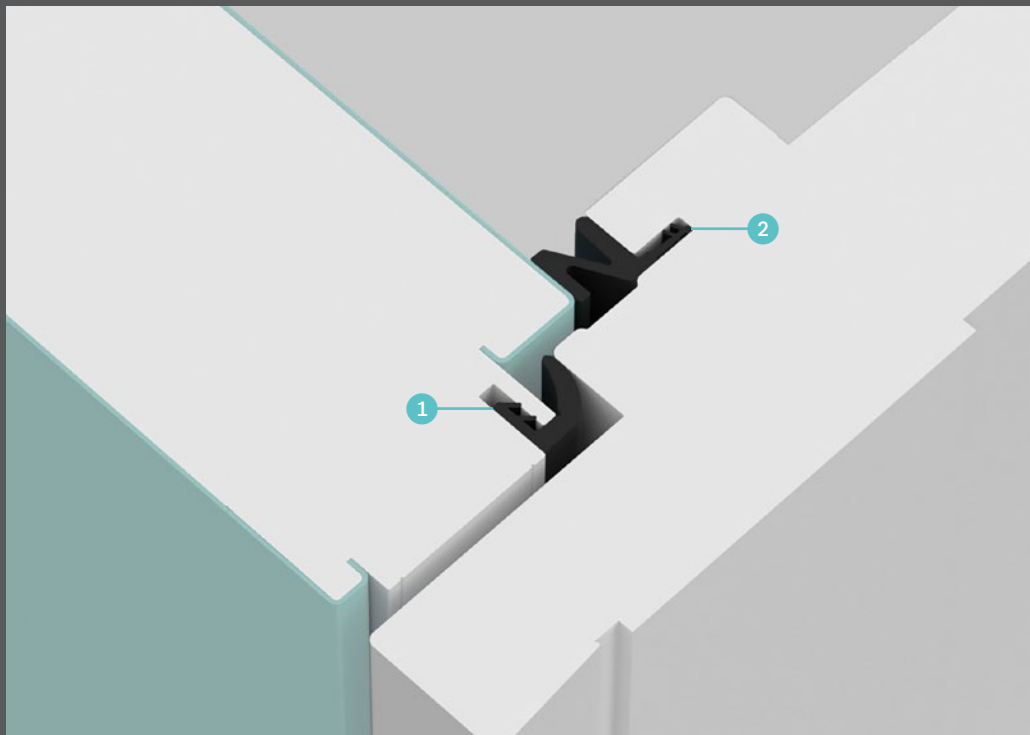


Dual protection from water and air infiltration

Along with its unique airtight seal, the High Performance system is equipped with a second industry-tried-and-tested weatherstrip. The two seals work together to add an additional layer of protection, withstanding up to 540 Pa of pressure in water infiltration tests.

Up to
2x
more resistant to
water infiltration

Up to
PG 75
in water infiltration
resistance



1. EPDM weatherstrip that surrounds the entire door in an unbroken loop.
2. Water seal on three faces.

Durability



Durable weatherproofing

The anodized aluminum-clad sweep is exceptionally durable and elegant. Its design is even more remarkable since it is paired with a very low, ½-inch threshold — one of the lowest on the market for a steel door offering such exceptional performance. This feature makes it easier for everyone to get around, especially those with reduced mobility.



Unmatched results

The High Performance system is the result of rigorous research and development. Every technical detail has been accounted for and enhanced. The product will 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 new 2020 ENERGY STAR standards, even for doorglass up to 22" x 64".



ENERGY STAR 2020

The NHP system will meet ENERGY STAR 2020 requirements in all configurations.*

Standard Door	High Performance System
✗	✓

*Results based on simulations.

Insulation

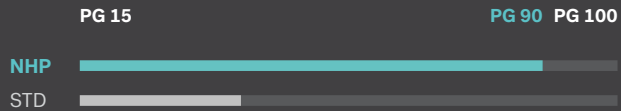
30% more



Structural Resistance

PG 90

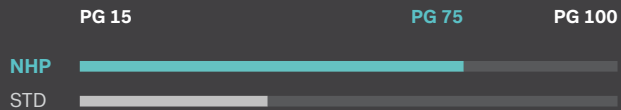
2x more



Water Penetration Resistance

PG 75

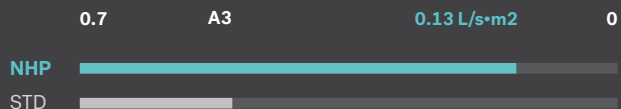
2x more



Air Leakage Resistance

A3 (0.13 L/s·m²)

4x more





Extensive applications

The Novatech High Performance system offers applications beyond the traditional entryway and eliminates the need for storm doors.

The NHP system is perfect for a condo tower with patios. Thanks to the system's impressive wind-resistance in the inswing configuration, it is well adapted for a wide variety of environments where exceptional performance is required.

Doorglass Options



Triple-pane doorglass: The logical choice

A second Low-E coating significantly enhances energy performance. We recommend triple-pane doorglass with the NHP system.



Double-pane doorglass with spacer

You can also choose double-pane doorglass with a 1/2-inch spacer.



High Performance System

Available Models



Brixton NHP



Victoria Shaker NHP



Orleans NHP



London NHP



Soho NHP



Vog NHP



Uno NHP

Specifications

Available widths: 31 3/4", 33 3/4", 35 3/4"

Height: 80"*

Thickness: 2 1/4"

Backset: 2 3/4" **

Configurations: Left or right

* Compatible with standard entry door frames using available frame adaptor kit.

** 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

Available Components

- Door
- Air weatherstrip
- Sweep
- Sill
- Frame adaptor kit
- Doorglass spacer (for standard 1" doorglass)
- 1 1/2-inch triple-pane insulated doorglass (all models available on demand)



100%

We are proud to launch an entry door system that encourages environmentally friendly consumption. It was only natural to print this brochure on 100% recycled, FSC® certified paper.

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