

Essence

TILT & TURN WINDOWS



One Window. Two Openings.

Introducing the European-Inspired,
built in Canada  **Tilt and Turn Window.**

 **GENTEK**[®]
GENTEK BUILDING PRODUCTS



NEW
WINDOW
INNOVATION
TILTS &
TURNS

The **ideal** window for today's homes.

At the forefront of our Essence windows you'll find **feature-filled advancements** and **superior energy efficiency**.

These great features make our Essence Windows the right choice for your home.

- ▶ Euro tilt and turn (+ steel reinforcement)
- ▶ **Roto Hardware** (made in Germany)
- ▶ Premium security with multi-point locking system
- ▶ Tilt feature for **easy venting** + added security
- ▶ **Flexscreen** with unique no visible frame
- ▶ Equipped with **Super Spacer** (Industry's best spacer)
- ▶ **Energy saving** and resistance to mold + great thermal properties
- ▶ 1" double pane Insulated Glass
- ▶ 1 3/8" triple pane Insulated Glass



Turn function towards the inside facilitates easy cleaning.



Tilt function promotes natural ventilation without air flow. The partial opening at the top of the sash limits the risks of break-ins, plus protects from injuries or accidents.

Hardware from ROTO – Quality German precision



Single lever handle can be conveniently gripped in any position and is therefore easy to use.



Functional and durable high-performance operating mechanism with multi-point locking for added security and safety.



Double or triple glazing options available

DOUBLE GLAZING - Our Standard double-glazed window comes standard with 1 inch Thermal Insulated Glass Unit, with two panes of glass, one LoE coating, Argon gas filled chamber and Super-spacer.



TRIPLE GLAZING - The glass package can be upgraded to a true 1 3/8" Triple-glazed Thermal Insulated Glass Unit, with three panes of glass, two LoE coatings, two Argon gas filled chambers and Super-spacer. The Triple Glazed Glass Package will minimize heat loss, boost indoor temperature stabilization and improve sound insulation.

The worlds first flexible window screen



FLEXSCREEN



With a patented proprietary blend of PVC spring steel, Flexscreen has created the most durable window screen in the world. It's coated frame has a duralloy PVC coating found on municipality park benches and playground equipment. FlexScreen is the last window screen you'll ever need.

New innovative concealed hinge system

No hinges visible from the inside or outside, no drainage caps – nothing detracts from the window's appearance.

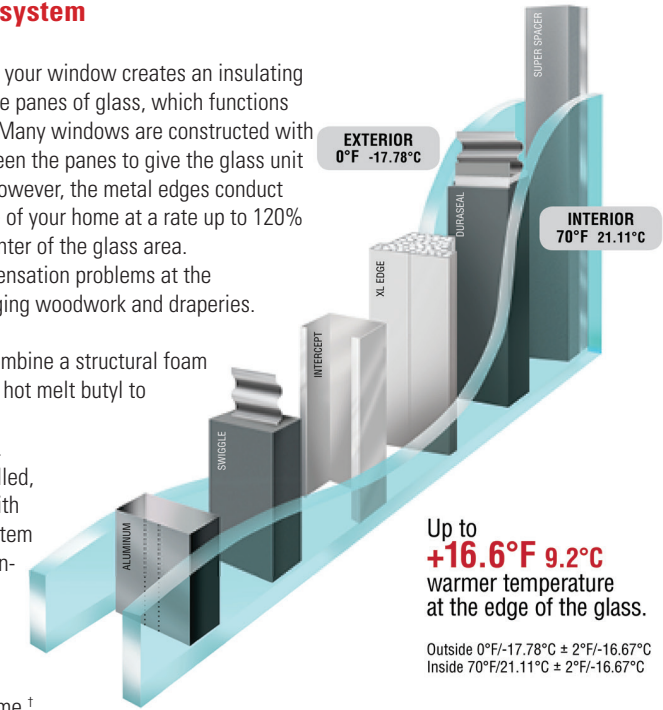


Super spacer non-metal spacer design system

The spacer system in your window creates an insulating air space between the panes of glass, which functions as a thermal barrier. Many windows are constructed with a metal spacer between the panes to give the glass unit structural stability. However, the metal edges conduct cold from the outside of your home at a rate up to 120% higher than at the center of the glass area. This can create condensation problems at the window edge, damaging woodwork and draperies.

Essence Windows combine a structural foam spacer with a seal of hot melt butyl to create a "warm," non-conductive edge. When correctly installed, Essence Windows with the Super Spacer system virtually eliminate condensation, provided that the proper air circulation and humidity levels are maintained in the home.†

The Super Spacer also minimizes the subtle movement of glass panes caused by changes in temperature – helping to prevent seal failure and reducing the stress on the glass panes.



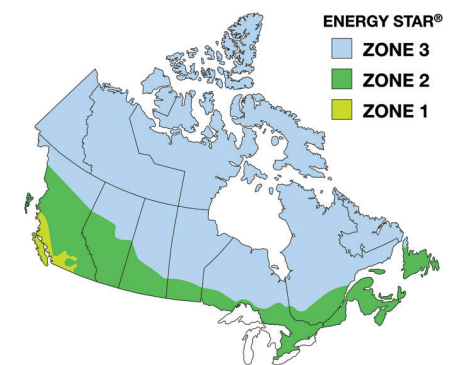
COMPARISON OF GLASS EDGE TEMPERATURES AMONG VARIOUS SPACER SYSTEMS**

Spacer System	Temperature (°F)	Temperature (°C)
Super Spacer® sealed with butyl	42.0°F	5.6°C
Duraseal™ Single Seal	35.4°F	1.89°C
XL Edge™	33.2°F	0.67°C
Intercept® sealed with butyl	31.6°F	-0.2°C
Swiggle® – single seal	30.6°F	-0.8°C
Aluminum spacer sealed with silicone	25.4°F	-3.7°C

Temperatures independently simulated.

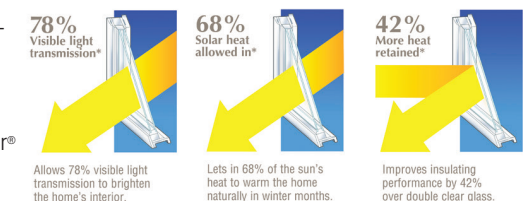
EnergyPlus™ glass – designed for northern climates

Windows are roughly 80% glass, so it's essential to choose a glass system that meets the challenging demands of northern climates. The glass should provide insulation from extreme weather yet allow the warmth and beauty of natural light to shine through.



Our EnergyPlus glass is specially formulated with insulating properties that provide superior energy savings. The precision-engineered Low-E (low-emissivity) glass retains heat inside the home during cold winter months and reduces solar heat gain in the summer. Combined with Super Spacer® technology and insulating gas, EnergyPlus can achieve an excellent Energy Rating (ER) for reduced energy use year-round.

UNCOMPROMISED CLARITY FOR AN ENHANCED INDOOR AMBIANCE




†For more information, please see Your Guide to Common Household Condensation at genetek.ca.
** Simulations performed by Enermodal Engineering Ltd. using Window 5.2 and Therm 5.2 as per NFRC100-2001. Outside temperature 0°F, inside temperature 70°F. Low-E glass Cardinal Low-E2.272. Air spaces 500" wide, 90% argon fill. IGUs 24" x 48". The secondary butyl used with Intercept was 0.035" thick. The conductivity used for Super Spacer Premium was 0.102.

Customize your Essence Windows to **match your home.**

PRIVACY GLASS OPTIONS - Obscure or opaque-looking glass offers privacy for bathrooms and other areas of your home while allowing an infusion of natural light. Choose from our four glass designs to beautifully complement your room. Some of our options are Sandblast, Obscure, Bronze, Grey and more.

INTERIOR GRIDS - Interior Grids will further enhance the appearance of your windows. Choose from one of our various grid selections and grid pattern to complement your style.

ESSENCE WINDOWS HARDWARE - Our windows come standard with QUALITY hardware from ROTO, an industry leader— Available in a variety of contemporary colours. 



TITANIUM



BRONZE



CHAMPAGNE



BLACK



SILVER



WHITE

BLINK BLINDS + GLASS-Is a blinds-between-glass IG panel. Just the right amount of privacy. Easy raise, lower and tilt.

No Dusting-Blinds don't collect dust or other airborne allergens.

No Exposed Cords or Blind Slats-Safe for homes with children and pets.



blink
BLINDS + GLASS
an AIAA member

Interior view of mini-blinds



COLOUR OPTIONS



COLOUR OPTIONS Essence Windows come standard in Pure White - Interior and Exterior colours are fully customizable, you can choose from our standard selection of the most popular 12 Gentek standard Colours, or completely customize the colour choosing from our extensive Gentek Building Products Colour Swatch.

Cream LG 492	Pebble 559	Dover Gray 536	Commercial Brown 562
Almond 532	Sandalwood 508	Storm 570	Espresso 5P3
Maize 502	Brownstone 571	Slate 523	Graphite 5P5
Wicker 538	Dark Drift 557	Windswept Smoke 506	Iron Ore 5P6
Canyon Clay 510	Sable LG	Chestnut Brown 554	Black 525



Essence Windows are available with a variety of EnergyPlus and Solar Shield glass packages to meet the latest ENERGY STAR® performance requirements. See your Gentek sales representative for the optimal glass package for your home and climate zone.



Essence Windows come with a 25 year limited lifetime warranty.



Windows Manufactured for Gentek by



gentek.ca