

YOUR WINDOW
TO THE WORLD

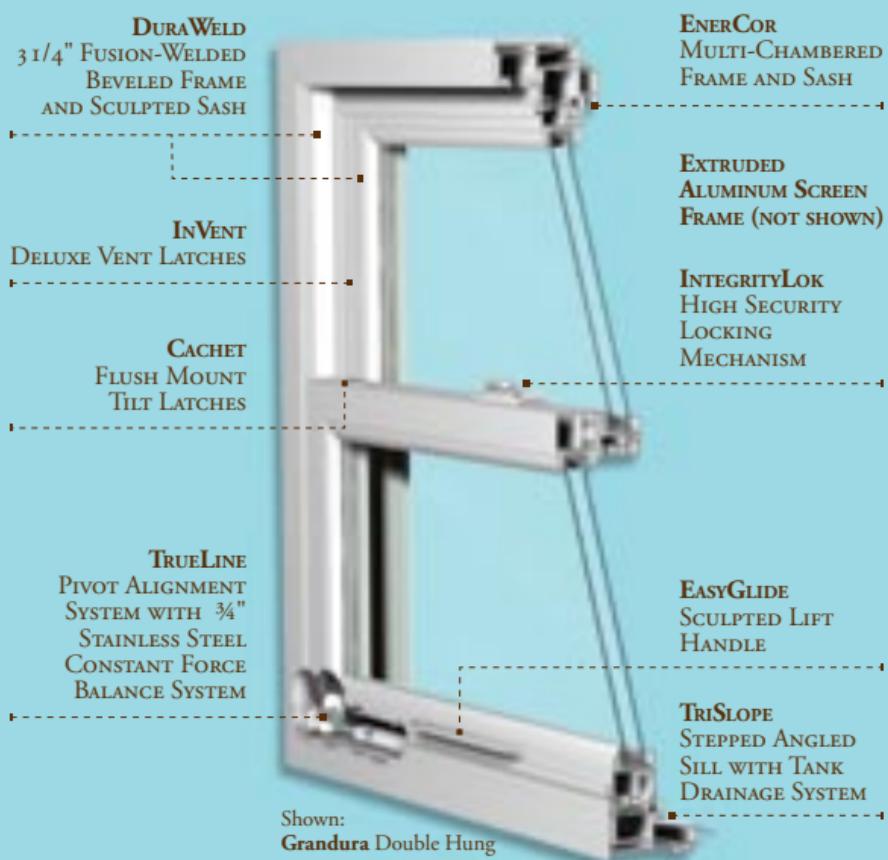


GRANDURA®
for the way you live

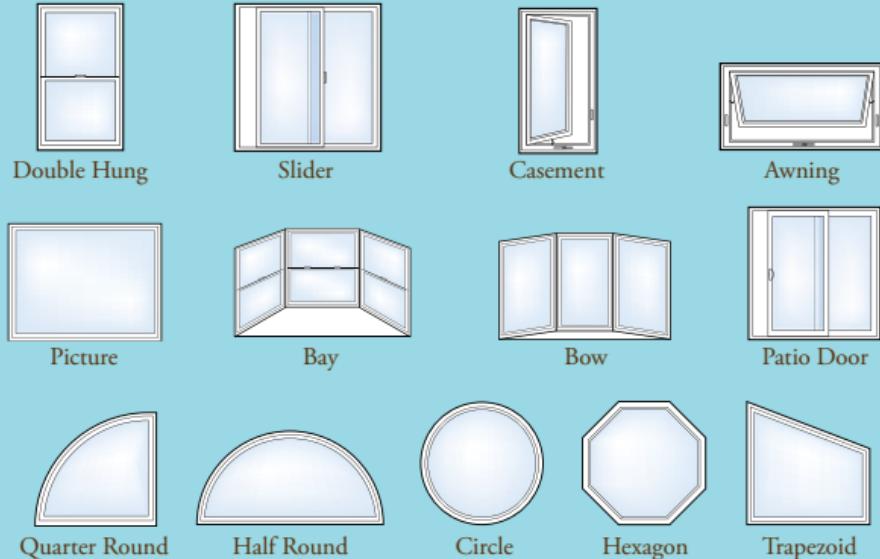


DESIGN & ENERGY PERFORMANCE

EVERY EXQUISITE DETAIL OF A GRANDURA WINDOW REPRESENTS A HIGH LEVEL OF QUALITY AND PRODUCT EXCELLENCE.



HOMEOWNERS WILL APPRECIATE GRANDURA'S COMPONENTS AND FEATURES, WHICH CULMINATE IN A DESIGN OFFERING SUPERIOR STRENGTH, STYLE AND INSULATION FOR OUR COMPLETE LINE.



BENEFITS OF VINYL

GRANDURA'S UNCOMPROMISING QUALITY BEGINS WITH THE FINEST VINYL FRAMES AND SASHES.

INCREASED COMFORT

Offers excellent thermal performance and year-round comfort.

EASY OPERATION

Premium components ensure smooth operation and high performance.

WEATHERABILITY

Heavy duty solid vinyl lineals withstand some of the toughest climates.

ENERGY EFFICIENCY

Vinyl's low thermal conductivity plus our advanced glass packages provide greater energy efficiency.

LOW MAINTENANCE

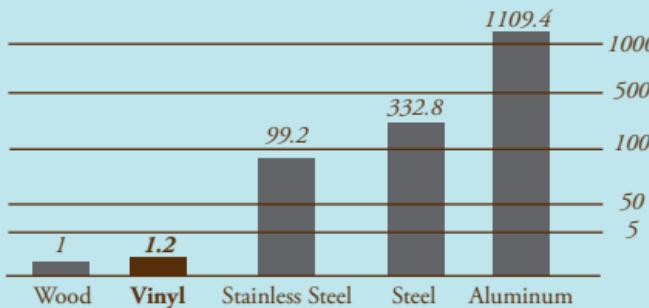
Will never rot, peel, pit, flake or require painting.

VALUE

Grandura's advanced technologies help save energy and add value.

BEAUTIFULLY CRAFTED, GRANDURA WINDOWS AND DOORS ARE DESIGNED TO PROVIDE OPTIMUM COMFORT, STRENGTH AND ENERGY EFFICIENCY.

ENERGY LOSS THROUGH VARIOUS MATERIALS



THERMAL CONDUCTIVITY
BTUs which pass through a square foot of material per hour

Testing shows that vinyl windows and doors are comparable to wood in thermal efficiency although vinyl windows are made to last a lifetime.

Note: Data calculations are based on Frame 3.0 software.

GLASS & ENERGY PERFORMANCE

OUR INNOVATIVE GLASS PACKAGES OFFER EXCEPTIONAL ENERGY EFFICIENCY AND ARE DESIGNED TO MEET THE NEEDS OF HOMEOWNERS.



LoĒ³-366, a Definite Advantage

In summer months, LoĒ³-366 glass keeps cool air inside while keeping hot air outside, reducing solar heat gain by 64% compared to ordinary glass.

In winter, LoĒ³-366 glass keeps warm air in and cold air out for optimum comfort, efficiency and humidity control.

Year-Round, LoĒ³-366 glass also blocks out 95% of UV rays, which can fade carpet, draperies and artwork.



Our 30% Energy Savings Pledge*

In addition to providing beautifully designed, high performing window systems, we pledge a savings of at least 30% of “Energy Consumption” for heating and cooling of a single family dwelling with a complete installation of Grandura windows.

* This pledge is based on energy (fuel) consumption, not the cost of the energy, and is valid for a 12-month period.

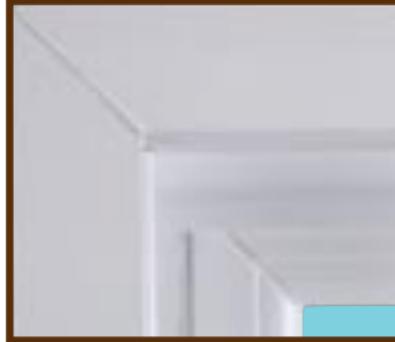


Grandura vinyl products are designed to meet specific GreenSpec® criteria set forth by BuildingGreen, Inc:

- Pre-consumer recycled content
- Exceptional durability and low maintenance requirements
- Reduced heating and cooling loads
- Products do not release significant pollutants into a structure
- Noise reduction

PREMIUM FEATURES

DISCOVER THE LATEST ADVANCEMENTS IN WINDOW ENGINEERING AS YOU EXPLORE GRANDURA'S IMPECCABLE CRAFTSMANSHIP.



DURAWELD

Provides unrivaled durability and features a stylish, sculpted sash.



INVENT

Provides peace of mind along with fresh-air ventilation.



INTEGRITYLOK

Highly durable zinc cam lock and keeper.



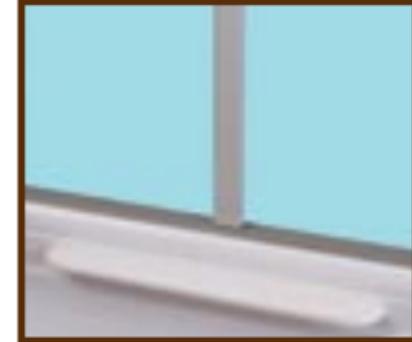
CACHET

Flush mount design maintains the window's clean interior lines.



TRUELINE

Creates perfect alignment and allows sash to tilt in for cleaning.



EASYGLIDE

Sleek, durable, sculpted handle assures easy operation.



ENERCOR

The chambers act as a thermal barrier and increase the window's durability and strength.



TRISLOPE

Innovative design draws water away from the window.

LoĒ³-366® ULTIMATE GLASS PERFORMANCE

GRANDURA'S THERMALLY ADVANCED GLASS PROVIDES SUPERIOR ENERGY EFFICIENCY, VISIBILITY AND YEAR-ROUND COMFORT.

- Ultimate solar heat control, fade protection and visibility
- Provides the highest level of year-round comfort and energy savings
- Patented formula reflects the sun's heat without spoiling the view
- Blocks out 95% of harmful UV rays
- Provides warmer wintertime inside glass surface temperature, helping reduce condensation and promote a healthier home
- Perfect for all regions of the country



FOR ADDED SECURITY AND PEACE OF MIND,
CONSIDER LAMINATED OR TEMPERED GLASS.



TEMPERED GLASS (SAFETY GLASS)

- Four to five times stronger than normal glass.
- Provides protection against break-ins and penetration from airborne debris during violent winds.
- When broken, glass shatters into small, oval-shaped pebbles, eliminating the danger of sharp edges.

LAMINATED GLASS

- For the ultimate in efficiency and security, choose laminated glass.
- Blocks over 99% of the sun's damaging UV rays.
- For added safety, the laminated glass will not fall out inside the home if the window is struck with force.
- Helps reduce noise transmissions.

GLASS PACKAGES

LOOK PAST GRANDURA'S BEAUTIFUL, UNOBSTRUCTED VIEWS TO FIND SOME OF THE INDUSTRY'S MOST ADVANCED GLASS PACKAGES.

IsoShield One Double Pane

TWO PANES OF
LoE³-366 WITH
ARGIN GAS

1" SUPER SPACER

IsoShield Two Triple Pane

TWO PANES OF
LoE³-366 WITH
ARGIN GAS

ONE PANE OF
CLEAR GLASS

1" SUPER SPACER

IsoShield Three Triple Pane

TWO PANES OF
LOW E WITH
ARGIN GAS

ONE PANE OF
CLEAR GLASS

1" SUPER SPACER

IsoShield Four Laminated

ONE PANE
OF LAMINATED
GLASS

ONE PANE OF
LoE³-366 WITH
ARGIN GAS

1" SUPER SPACER

IsoShield Five Laminated

ONE PANE
OF LAMINATED
GLASS

ONE PANE OF
LOW E WITH
ARGIN GAS

1" SUPER SPACER

1" Super Spacer System

- Provides superior energy efficiency
- Does not conduct energy as quickly as metal spacers
- Helps reduce stress cracks



GRANDURA GLASS TEST DATA

	IsoShield One Double Pane	IsoShield Two Triple Pane	IsoShield Three Triple Pane	IsoShield Four Laminated	IsoShield Five Laminated
U-Value	0.30	0.23	0.30	0.29	0.30
R-Value	3.33	4.35	3.33	3.45	3.33
Solar Heat Gain	0.19	0.18	0.25	0.20	0.26
Visible Light	0.36	0.34	0.43	0.45	0.49
UV Block	0.95	0.95	0.95	0.99	0.99

All thermal numbers are for Double Hung, no grids, 1" Insulating Glass Unit (IGU).

All Grandura glass packages are energy tax credit compliant.

MAKE IT YOUR OWN

USE OUR WIDE RANGE OF OPTIONS AND ACCESSORIES TO
CUSTOMIZE THE WINDOW DESIGN TO BEST SUIT YOUR DECOR.

COLORS (FRAME AND SASH)

Interior Exterior



GRID STYLES



PATTERNS



GLASS*



*Glass options not available in all glass packages.

BRASS HARDWARE



In addition to brass, the patio door handle comes in four other metallic finishes.



WARRANTY

All replacement window/patio door vinyl components are backed
by a Transferable Limited Lifetime Warranty

Vinyl • Hardware • Screen
Insulating Glass Unit • Accidental Glass Breakage

AUTHORIZED DEALER



GRANDURA®
for the way you live

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