



TWINSULATOR™

Window Series

Our Twinsulator™ Series windows offer extreme strength, durability, and state of the art thermal performance. Designed for use in any climate, Twinsulator windows are engineered for a lifetime of worry-free operation and performance. Available in Single Hung, Slider, and Picture styles, Twinsulator windows offer just the right style for any type of home or light commercial project.



**RESIDENTIAL
GOOD FOR YOUR HOME**

Twinsulator Windows offer homeowners the very best in aluminum window construction. Designed for energy savings, extreme weather protection and thermal performance, Twinsulator is the only choice for many homeowners looking for quality and value.

Twinsulator Windows offer homeowners the following benefits:

- Condensation resistance
- High performance in extreme weather
- Heavy-duty aluminum frame and sash for a strong and durable window system
- Lower heating and cooling costs
- Years of Worry-Free window operation
- No Hassle, Lifetime Limited Warranty



**COMMERCIAL
QUALITY & PERFORMANCE**

Twinsulator Series Windows are also designed for the following light commercial applications:

- Multi-Family Projects
- Military / Government Buildings
- Schools / Education K-12
- University Housing
- Hotels / Motels
- Office Buildings
- Industrial Warehouse Spaces
- Public Housing



Not only are Twinsulator windows engineered to perform for a lifetime, but your new Twinsulator windows are also certified by the following third party verifiers for efficiency, safety, and performance.



Twinsulator - Engineered to Perform

Made of heavy aluminum extrusions, Twinsulator Series offers exceptional performance even under extreme conditions.

A. Powder Coated Aluminum Extrusions

B. ThermaProtect™ Thermally Improved Frame and Sash

C. Dual Glaze Unix IQ featuring Quad LoE-452+ Glass

D. Warm Edge Super Spacer®



Take a Break From Mother Nature's Extremes with ThermaProtect™

For maximum insulation, our exclusive ThermaProtect™ insulation barrier offers superior thermal protection from the elements. On its own, aluminum is known as a highly conductive material, allowing energy to flow freely through the metal. But because of its intrinsic strength and durability, aluminum is the material of choice for building applications all over the world. Take that inherent strength and combine it with a technologically advanced application of a unique thermal barrier and you have the perfect design for window construction.

In order to reduce the flow of heat or cold through aluminum, we have designed the ThermaProtect insulation barrier that improves the window's performance while allowing homeowners to take advantage of the long term durability of their new windows.



For illustration purposes.

Our ThermaProtect™ barrier technology provides exceptional thermal performance for the life of your Twinsulator Windows.



Enjoy a Lifetime Limited, No Hassle Warranty* with Your Twinsulator Purchase

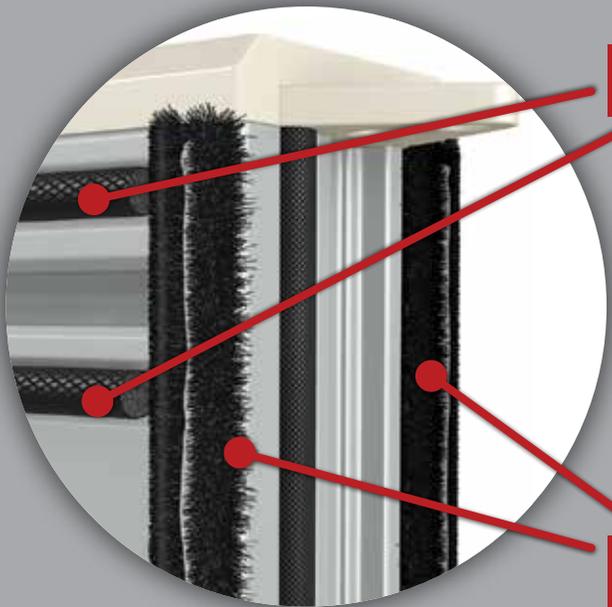
We all know that a warranty is only as good as the company behind it. The Twinsulator Series is backed by an industry leading Top 100 Window & Door Manufacturer. All of us at NT Window pride ourselves on offering the very best in home improvement products and unparalleled customer service.

*This warranty refers to the Twinsulator Series Residential Product Warranty

SINGLE HUNG WINDOWS



Commercial Application



Q-Lon™

FinSil™



Secondary safety latch for added peace of mind.



Easy to use sweep lock for smooth operation.

Four Layers of Weatherstripping Protection - dual FinSil & dual Q-Lon for maximum Wind and Weather Protection.

Single Hung Features

- ThermaProtect™ insulation barrier throughout the frame and sash for enhanced thermal protection from the elements
- Powder coated aluminum extrusions
- 3/4" dual glaze Unix IQ featuring Quad LoE-452+ glass system with a Neat+ coating that helps break down organic debris for an easier clean
- Warm Edge Super Spacer® for increased efficiency
- Composite sweep lock for added strength
- Secondary spring latch for added peace of mind
- Two layers of weatherstripping protection with dual FinSil™ for maximum fortification
- Bottom sash tilts in for easy cleaning
- Quick tilt constant force balance
- FlexScreen™ – standard

Additional Options:

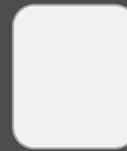
- Double Cardinal LoE-452+
- Cardinal LoE-340
- Laminated .030 Glass
- Tinted Glass
- New construction nailing fin



Twinsulator tilt-latch with an added safety feature.



Colors:



White

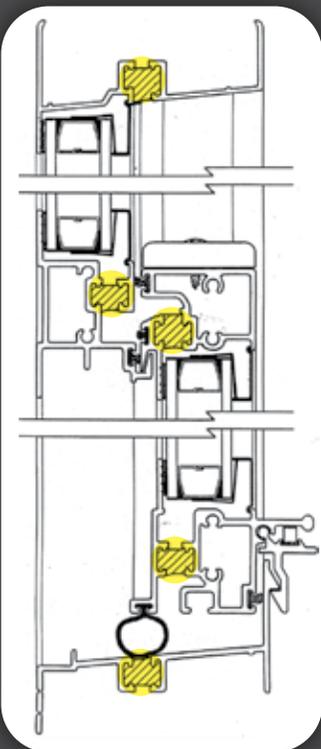


Bronze



Black

T110 PROFILE



TWINSULATOR SERIES GLASS PERFORMANCE OPTIONS

Glass Package	Single Hung Without Grids
Unix IQ Core Quad LoE-452+/Clear	
U-Factor	0.40
Solar Heat Gain Coefficient	0.19
Unix IQ Design Cardinal LoE³-340/Clear	
U-Factor	0.41
Solar Heat Gain Coefficient	0.15

For maximum insulation, our exclusive ThermaProtect™ insulation barrier offers the very best in thermal protection from the elements.

SINGLE HUNG - T110 SPECS AT A GLANCE

Frame Depth - 2 5/8"

AAMA Rating - LC30*

*Window size 56" x 91"

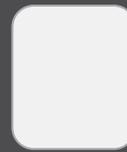
Sliding & Picture Window Features

- ThermaProtect™ insulation barrier throughout the frame and sash for enhanced thermal protection from the elements
- Powder coated aluminum extrusions
- 3/4" dual glaze Unix IQ featuring Quad LoE-452+ glass system with a Neat+ coating that helps break down organic debris for an easier clean
- Warm Edge Super Spacer® for increased efficiency
- Two layers of weatherstripping protection with dual FinSil™ for maximum fortification
- Integral weep system for improved drainage away from the home

Additional Options:

- Double Cardinal LoE-452+
- Cardinal LoE-340
- Laminated .030 Glass
- Tinted Glass
- New construction nailing fin

Colors:



White



Bronze



Black

SLIDING



TWINSULATOR SERIES GLASS PERFORMANCE OPTIONS

Glass Package	Slider Without Grids
Unix IQ Core Quad LoE-452+/Clear	
U-Factor	0.40
Solar Heat Gain Coefficient	0.19
Unix IQ Design Cardinal LoE³-340/Clear	
U-Factor	0.41
Solar Heat Gain Coefficient	0.15

SLIDING - T140 SPECS AT A GLANCE

Frame Depth - 2 5/8"

AAMA Rating - C40*

*Window size 72" x 60"

PICTURE



TWINSULATOR SERIES GLASS PERFORMANCE OPTIONS

Glass Package	Picture Without Grids
Unix IQ Core Quad LoE-452+/Clear	
U-Factor	0.32
Solar Heat Gain Coefficient	0.20
Unix IQ Design Cardinal LoE³-340/Clear	
U-Factor	0.33
Solar Heat Gain Coefficient	0.17

PICTURE - T150 SPECS AT A GLANCE

Frame Depth - 2 5/8"

AAMA Rating - C50*

*Window size 72" x 72"

OPTIONS

Glass:



Rain



Obscure



Satin

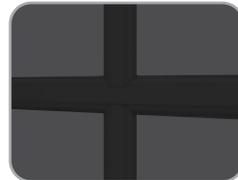
Grids:



Flat - Internal



Contoured - Internal
(Not Available in Black)



Simulated - External
(Available in Black Only)
*See Option Chart for Details.

Warranty

Lifetime Limited Warranty*

Enjoy peace of mind and worry-free operation of your Twinsulator Windows with our Lifetime Limited Warranty*. No hassles, no small print, no registration - Just excellent coverage for your new windows.

*See printed warranty for specific details.

TWINSULATOR WINDOW SERIES SPECIFICATIONS

Features/Options	Single Hung	Slider	Picture Window	Features/Options	Single Hung	Slider	Picture Window
COLOR:				GRIDS:			
Powder Coat Finish White	X	X	X	Flat	Optional	Optional	Optional
Powder Coat Finish Bronze	X	X	X	Contoured (Not available in Black)	Optional	Optional	Optional
Powder Coat Finish Black*	X	X	X	Simulated (Available in Black Only)	Optional	Optional	Optional
*AAMA 2604 Powder Coating				*Linear, Straight Patterns Only			
FRAME:				LOCKS/HARDWARE:			
2 5/8"	X	X	X	Composite Sweep Lock	X	X	
Thermally Improved Frame	X	X	X	Secondary Security Spring Latch	X		
Thermally Improved Sash	X	X		Tilt Latch w/ Safety Adjustment	X		
Constant Force Balance	X						
New Construction Fin	Optional	Optional	Optional	SCREEN OPTIONS:			
SAFETY:				FlexView™ Clean and Clear	X	X	
Structural Rating	LC-30	LC-40	C-50	FlexScreen™	X	X	
Forced Entry	Grade 10	Grade 10		Roll Form Frame	Optional	Optional	
GLASS PACKAGES:				WARRANTY:			
3/4"	X	X	X	Residential Applications	Limited Lifetime	Limited Lifetime	Limited Lifetime
Cardinal 452+	X	X	X	Commercial Applications	10 Year	10 Year	10 Year
Cardinal 340	Optional	Optional	Optional				
Super Spacer®	X	X	X				
Double Low-E	Optional	Optional	Optional				
Argon	X	X	X				
Laminated Glass	Optional	Optional	Optional				
Obscured	Optional	Optional	Optional				
Rain	Optional	Optional	Optional				
Bronze / Gray Tints	Optional	Optional	Optional				
Double Strength Glass	X	X	X				
Interior Glazed	X	X					



TWINSULATOR™

Window Series


NT window®

