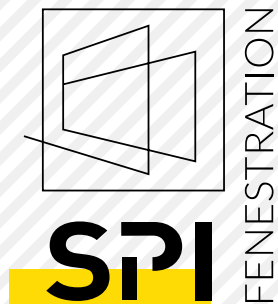


TECHNICAL INFORMATION

ANTEA

ECO-FRIENDLY QUALITY



/ Quality Materials /

Eco-friendly Vinyl

- 100% recycled vinyl (no toxic plasticizers or heavy metal contamination).
- Obtained from recycled windows and doors after they reach end of life.

By purchasing a SPI Finestre recycled vinyl window, you are contributing to the reduction of the global CO₂ and plastic input on the market.

Environmental Product Declaration

All our vinyl windows own the EPD certificate (Environmental Product Declaration), an international document (compliant with the standard ISO 14025) which provides information about the environmental impact of a product throughout its life cycle.

This type III environmental label quantifiably demonstrates the environmental performance of a product from the initial raw materials employed in the manufacturing process to the distribution, use and disposal of the product.

Class S

All our vinyl profiles are Class S certified for severe climates (in accordance with UNI EN 12608). They can be used in any areas which have high temperature changes throughout the year.

Class A profiles

The thickness of the outer walls of the Antea 76 profiles are classified (according to PN-EN 12608 norm) as Class A.

This ensures maximum stability, considerably reducing the risk of warping and distortion of frames when compared to lower class B or C profiles.



/ High-Tech Manufacturing /

We have the best high-tech machines on the market. The new 4.0 machine uses Graf Synergy's V-Perfect angular welding technology in order to manufacture aesthetically perfect vinyl windows.



/ Certificates /

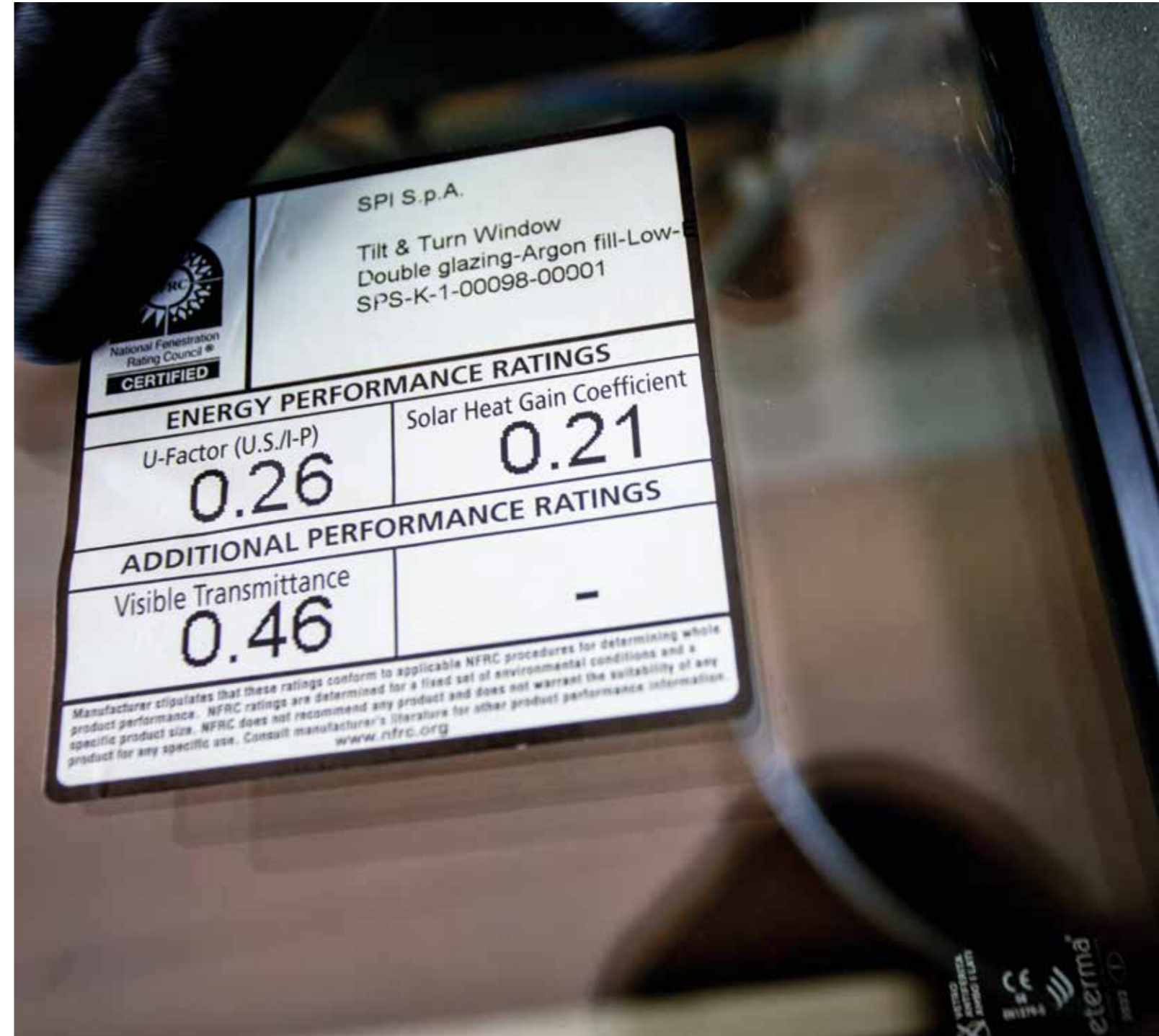
In addition to the above environmental declaration, the Antea 76 series has been tested and certified by independent laboratories on the American market where it received 2 remarkable certifications.



The NFRC rates energy efficient windows in 4 main categories- U factor, Solar Heat Gain Coefficient, Visible Transmittance and Air Leakage. The Antea 76 series was certified for fixed, casement and door types.



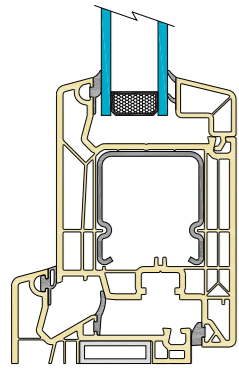
The AAMA tests for air permeability, resistance to wind load, and watertightness of windows. In the US, tests are particularly strict. Stringent methods are used in order to ensure that windows will stand up against extreme climate conditions, tropical storms and seasonal hurricanes.



/ Antea 76 /

What's a passive house?

A passive house is an energy efficient building that reduces energy consumption and heating costs. The **Antea 76** series is the perfect choice for creating energy efficient homes.



Antea 76 has a 3G model threshold, equipped with a central fin. In this configuration, the threshold becomes a welded element, giving uniformity in colors and shapes to the entire frame. From a technical point of view, the 3G threshold offers insulating performance equivalent to a round frame but with less overall height.



Standard Equipment

Double tempered glass with Argon

Warm edge

Anti-burglary hardware

Tilt and turn opening

Lever bar

Micro-ventilation system

Technical Features of the System

External Structure	Vinyl
Internal Structure	Vinyl
Frame thickness	3"
Glazing	1" 3/32 (standard), 1" 13/32, 1" 7/8
Available Frames	L frame, Z frame 1" 3/8, Z frame 2" 9/16
Glazing bead	Squared



Uw up to 1,1
(with Ug = 1,0W/mqK)*

THERMAL INSULATION UW

Glass up to 44 dB

ACOUSTIC INSULATION

Class 4
(min 1 - max 4)**

AIR PERMEABILITY

Class 4A
(min 1 - max 9)

WATER TIGHTNESS

Class C2/B3
(min 1 - max 5)**

WIND LOAD

Class A+
(min C - max A+)

VOC CERTIFICATE

* value calculated on a single sash window dim. 700-1300 mm
** value calculated on a 1984-2448 mm double-sash french window

/ Antea Horizon /

Antea Horizon, our latest innovative vinyl window system. This series shares the same technology and profiles of Antea 76, but it stands out for its minimal semi-coplanar sash design and wider glazed surface, which is possible due to the 6 5/16" slim interlock.

A system designed to give light to your home, while leaving the landscape outside.



Standard Equipment

Double tempered glass with Argon

Warm edge

Anti-burglary hardware

Tilt and turn opening

Lever bar

Micro-ventilation system

Technical Features of the System

External Structure	Vinyl
Internal Structure	Vinyl
Frame thickness	3"
Glazing	1" 3/32 (standard), 1" 13/32, 1" 7/8
Available Frames	L frame, Z frame 1" 3/8, Z frame 2" 9/16
Glazing bead	Squared



Uw up to 1,1
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THERMAL INSULATION UW

Glass up to 44 dB

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WATER TIGHTNESS

Class C2/B3
(min 1 - max 5)**

WIND LOAD

Class A+
(min C - max A+)

VOC CERTIFICATE

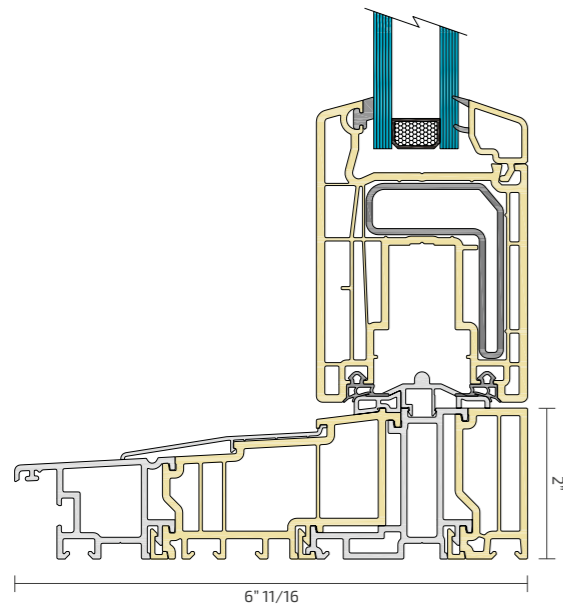
* value calculated on a single sash window dim. 700-1300 mm
** value calculated on a 1984-2448 mm double-sash french window

/ Aura 70 Lift & Slide /

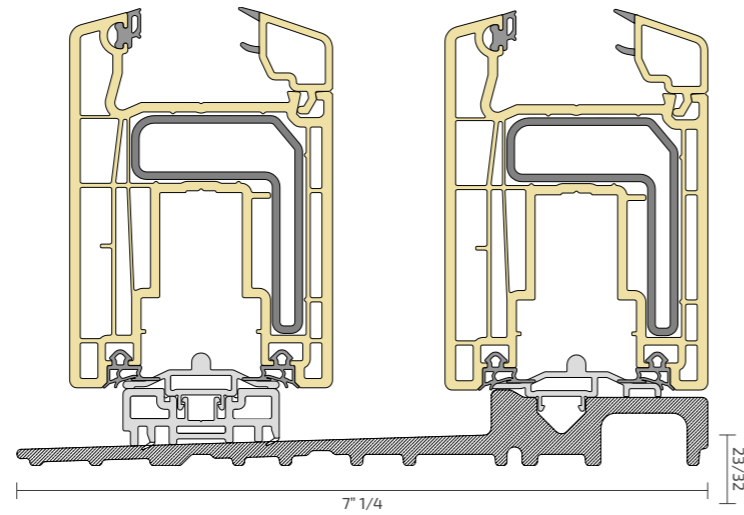
The Aura 70, with a barely 18 mm height, is the latest solution to make openings completely barrier-free.

The Aura 70 Vinyl lift system's lower slide is available in the standard or Ghost threshold.

The vinyl threshold is a standard feature on the lift system. The Ghost threshold, available on request with surcharge, is made of a fiberglass, resistant insulating material. Available in gray.



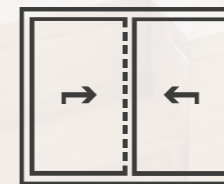
Standard Threshold



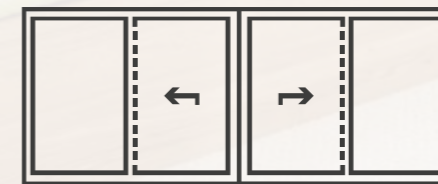
Ghost Threshold



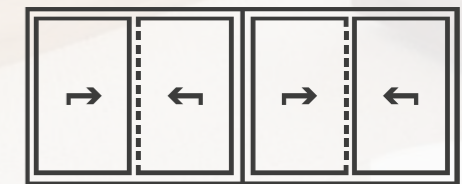
2-rail XO



2-rail XX

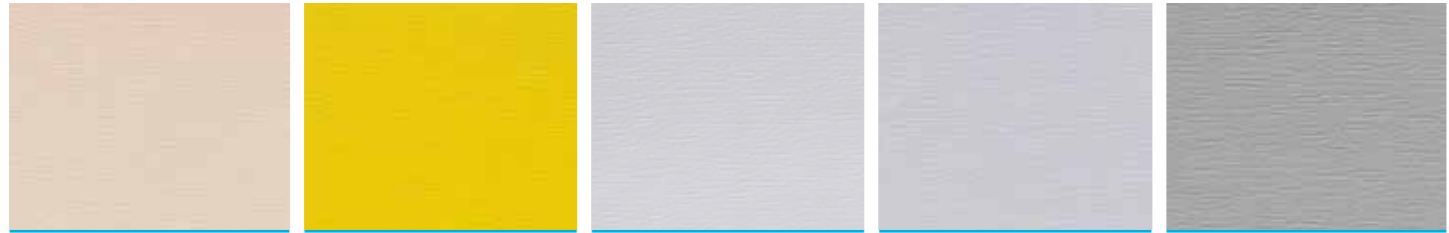


2-rail OXXO



2-rail XXXX

The Antea series is available in our own collection of over 50 finishes that include wood effects and pastel colors. Two-toned colors are available upon request.



Hellelfenbein RAL 1015

Zinkgelb RAL 1018

Papyrusweiß RAL 9018

Lichtgrau Ral 7035

Achatgrau RAL 7038



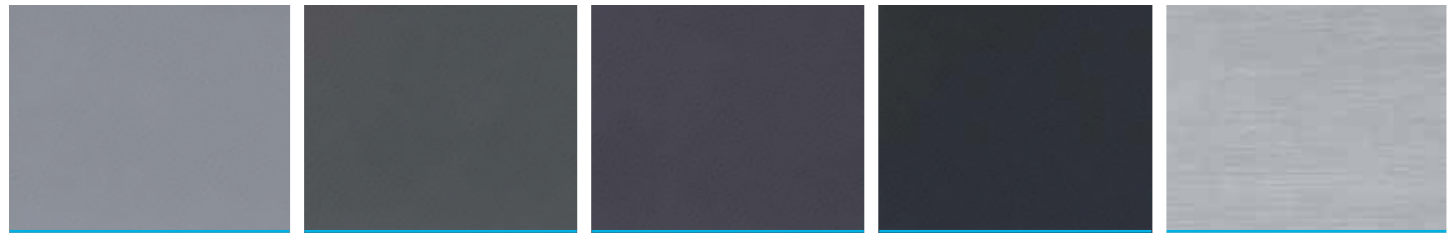
Silbergrau RAL 7001

Quarzgrau RAL 7039

Basaltgrau RAL 7012

Schiefergrau RAL 7015

Anthrazitgrau RAL 7016



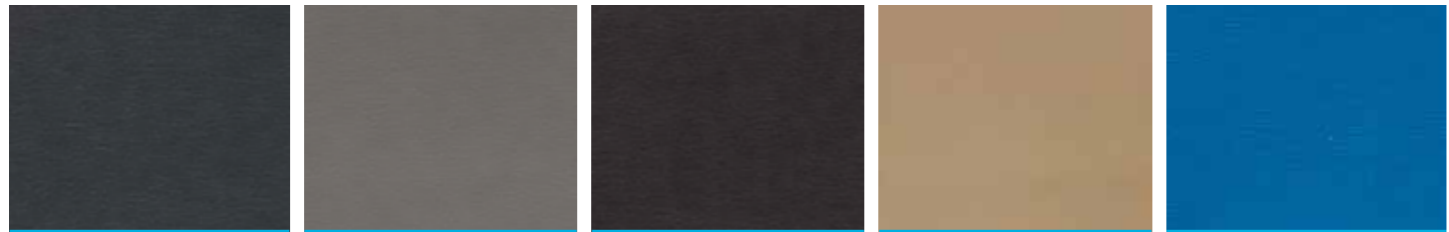
Silbergrau Ungenarbt (Glatt)
RAL 7001

Basaltgrau Ungenarbt (Glatt)
RAL 7012

Schiefergrau Ungenarbt (Glatt)
RAL 7015

Anthrazitgrau Seidenglatt
RAL 7016

Aluminium Gebürstet



Crown Platin (Metallic)

Quarz Platin (Metallic)

Earl Platin (Metallic)

Metbrush Messing

Brillantblau RAL 5007



Kobaltblau RAL 5013

Ultramarinblau RAL 5002

Stahlblau RAL 5011

Monumentenblau RAL 5004

Smaragdgrün RAL 6001



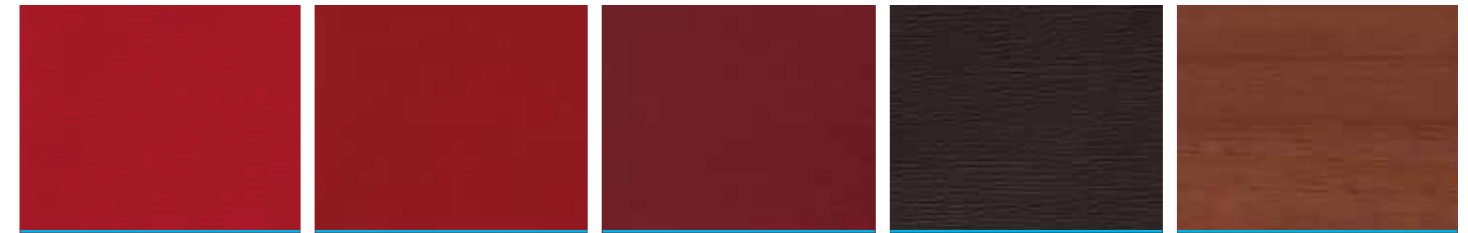
Moosgrün RAL 6005

Blaugrün RAL 6004

Tannengrün RAL 6009

Monumentengrün

Karminrot RAL 3002



Rubinrot RAL 3003

Braunrot RAL 3011

Weinrot RAL 3005

Schwarzbraun

Siena Rosso



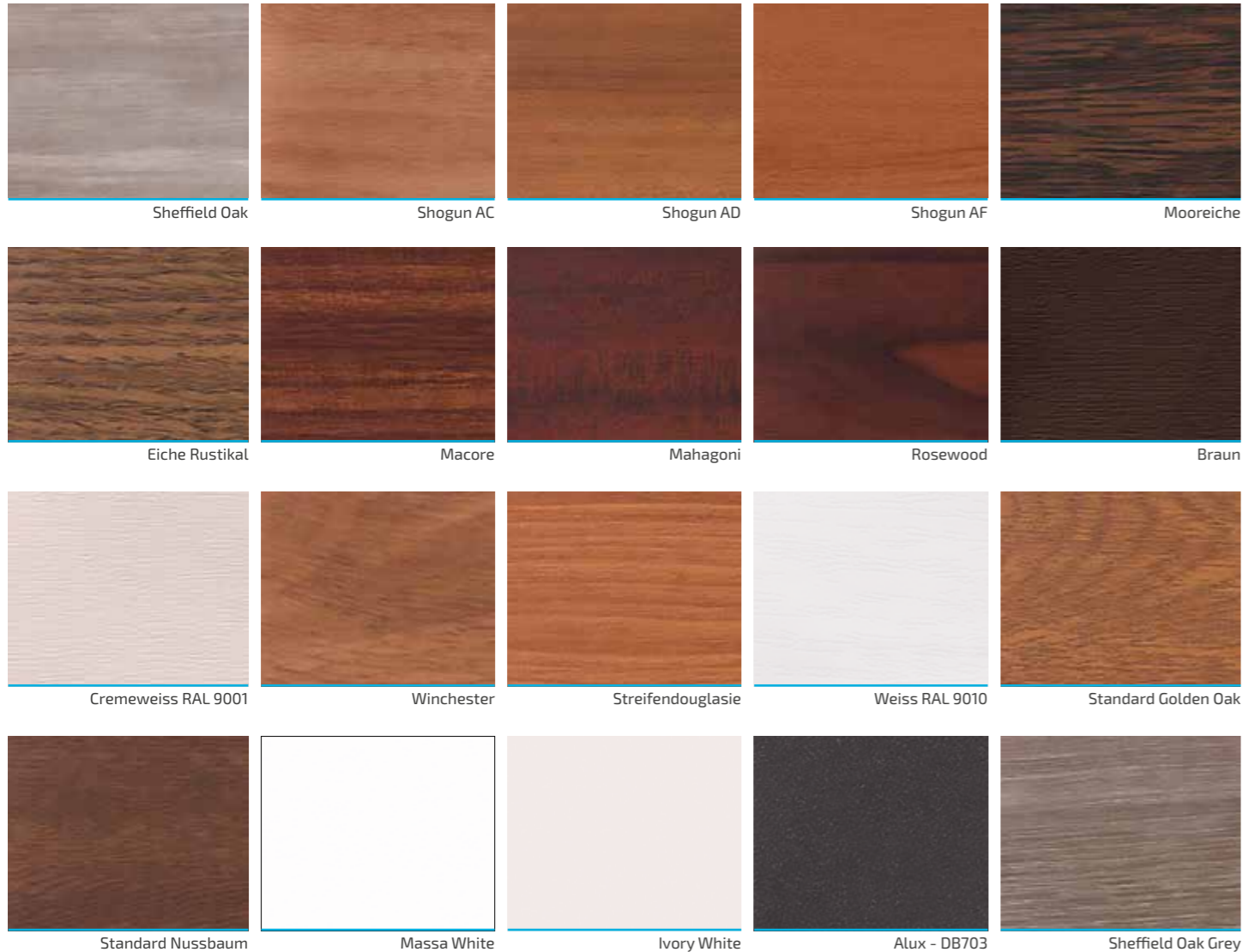
Siena Noce

Douglasie

Oregon III

Bergkiefer

Eiche Hell



What's a Spectral finish?

It's an innovative, low reflection, anti-fingerprint, velvety feel coating surface. Who said that vinyl windows must only be in gloss white?

SPI vinyl windows are customizable in over 50 distinct finishes, including pastel colors or wood effects.

Two-toned combinations are available upon request. In addition to Renolit films, you can choose among some of our new and innovative ultra-matte Spectral finishes.

Note: As of the Spectral collection, it is possible to customize your window in a two-toned combination by choosing between two Spectral finishes or between a Spectral finish and Massa White. Spectral finishes are not available for: lifting systems, parallel sliding, curve windows, ceilings, shutters, claddings, deflection profiles.

/ Handles /

Standard handles for casement windows.
Burglar resistant Toulon handles.



Toulon White

Toulon Satin Silver

Toulon Satin Gold

Standard handles for lift & slide



White

Satin Silver

Black

Handles on request for casement windows.
Burglar resistant New York handles.



White

Satin Silver

Satin Gold



Satin Bronze

Brown

Satin Silver



Gloss Gold



/ Hinge Covers /



White

Satin Silver



Satin Gold

Glass Gold



Satin Bronze

Brown

Locking and thumb turn

Thumb turn lock and/ or a cylinder with unified key are installed on request.

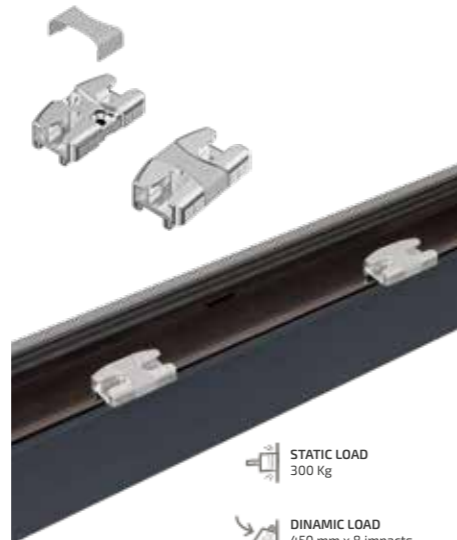


/ Hardware /

Safety is crucial when choosing home windows. All our vinyl windows have multi-point locking hardware installed into the frame at numerous points on the main sash and the secondary.

Burglar-Proof Standard Cam

The Cam is screwed to a support plate, which is firmly fixed on the hardware. A fixed cam is far more resistant to tear strength (more than 5000 N of traction resistance) than a self-adjusting cam. This is beneficial in case of a burglar attack, where there is the possibility for the telescopic bushing to get torn off.



STATIC LOAD
300 Kg

DINAMIC LOAD
450 mm x 8 impacts
(Variable according to sash size)

MANUAL BREAK
Over 3' resistance to burglary
required by regulations



Antiburglary Strikers

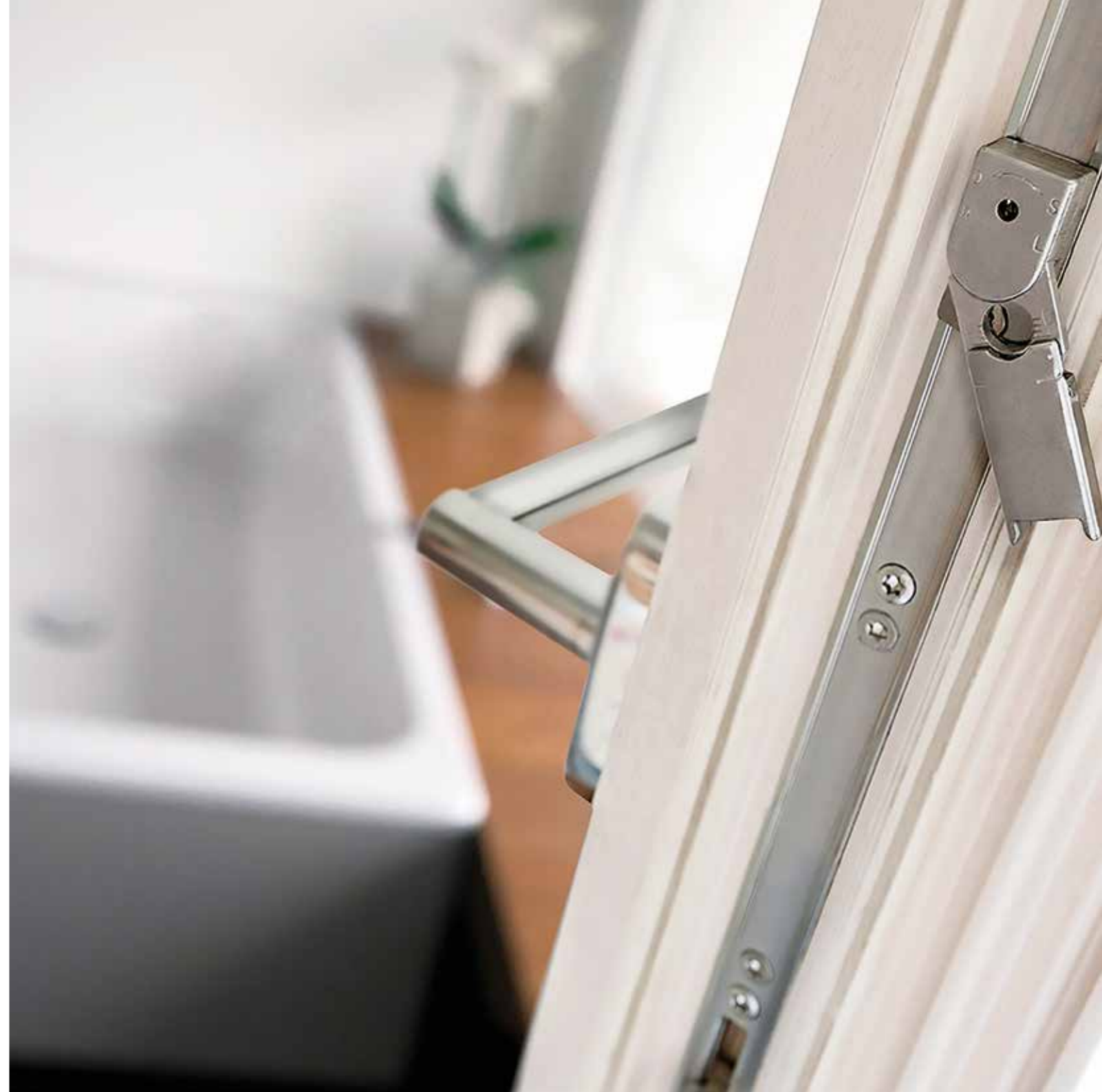
The antiburglary strikers work with both casement and transom windows. They come with covers which conceal the screw head.

Concealed Hinges

Concealed hardware, a perfect solution for those who want unobstructed views, is an option on all our casement vinyl windows.



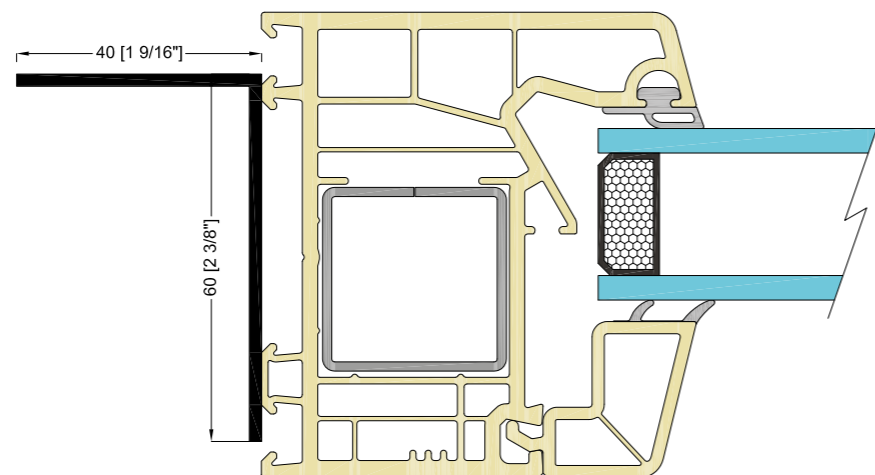
Opening 105° Load 130 Kg



/ Nailing Fins /

Pre-installed nailing fins, for faster installation, are available on request. The nailing fin helps secure the window to the wall and hold it in place while the shims and screws are being installed.

The fins come in a raw aluminum, unpainted profile. On request, we can match coat it.



/ Opening Limiters /

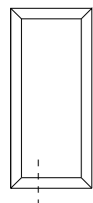
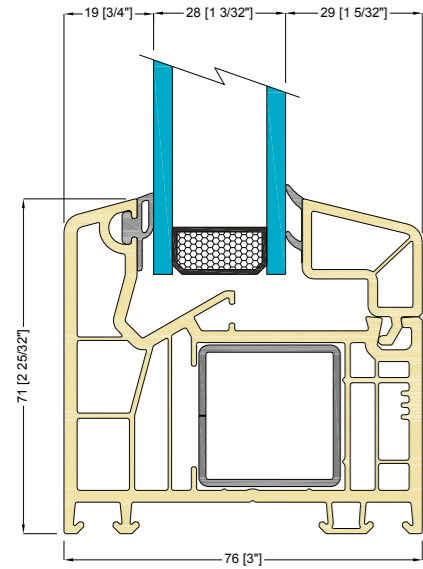


On request, we can provide opening limiters for casement windows in the Antea 76 series.

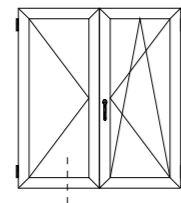
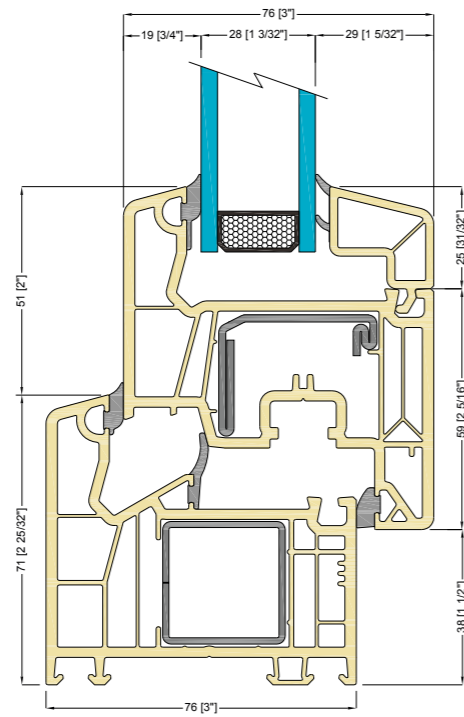
This accessory permits an opening of up to 100°. It's available pre-installed or loose.



Glazing bead on L frame

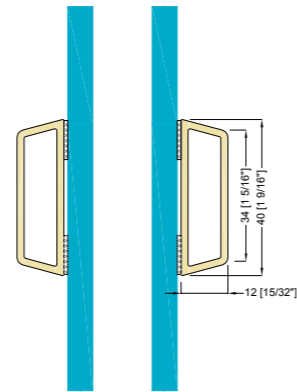


Tilt & turn window - L frame

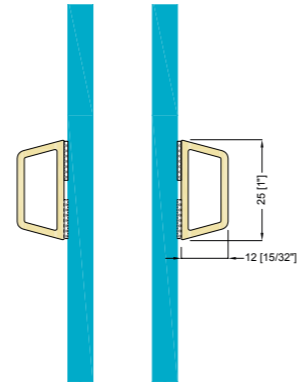


SDL

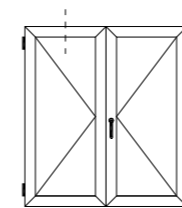
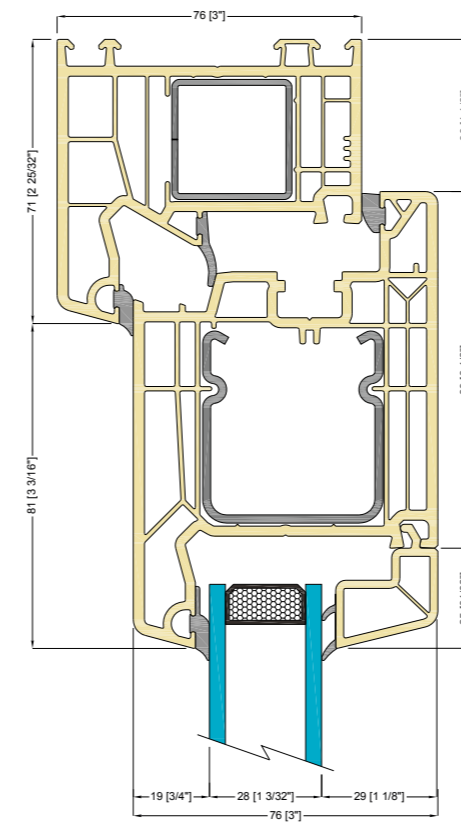
Standard



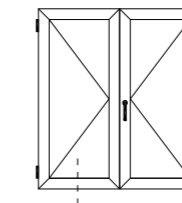
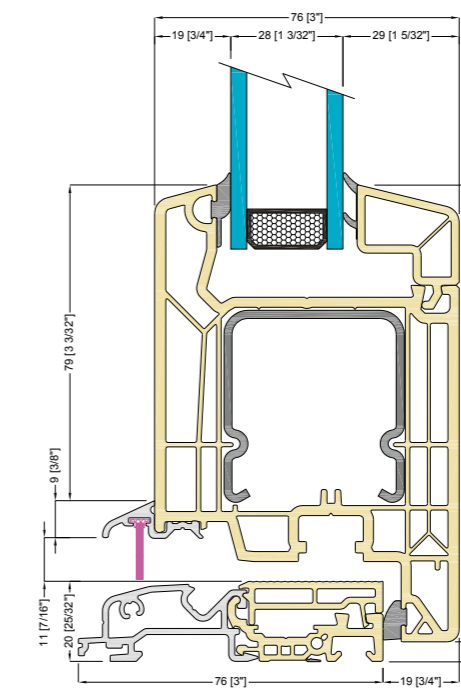
On request



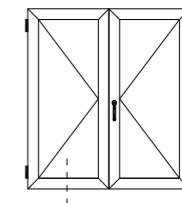
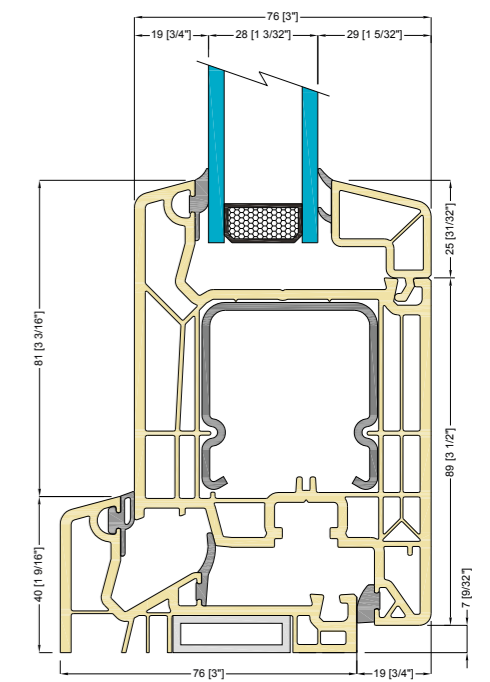
Reinforced sash (for locking)



Reinforced sash + low threshold

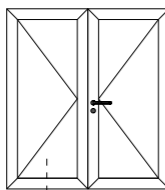
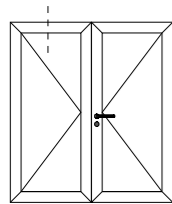
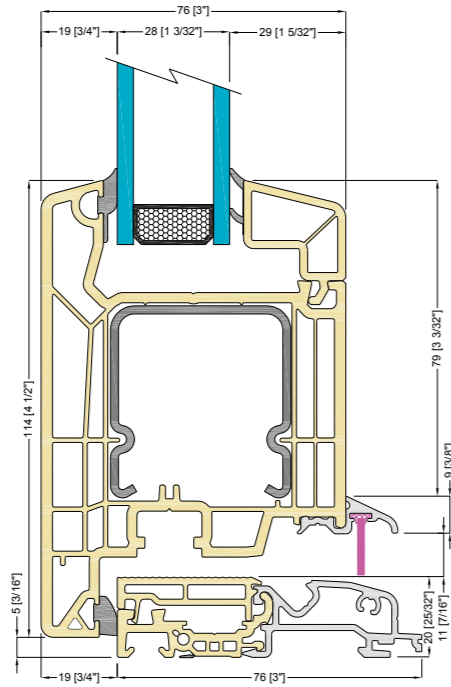
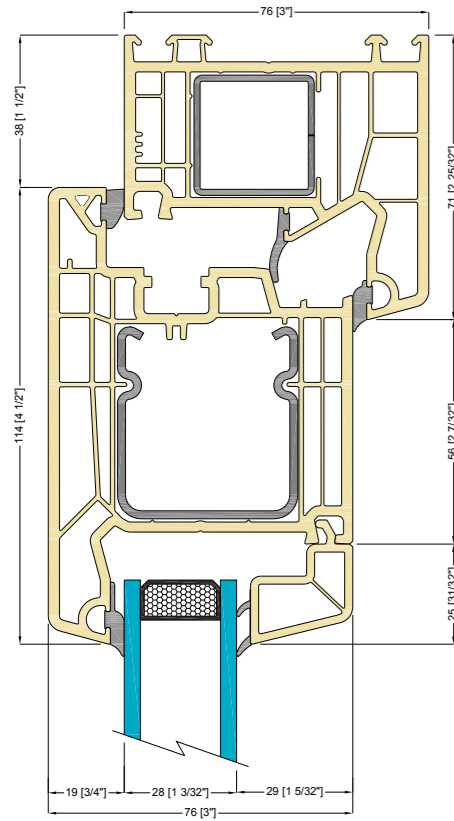


Reinforced sash + 3G threshold



Outswing door - top section

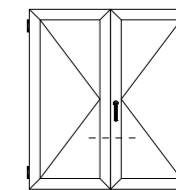
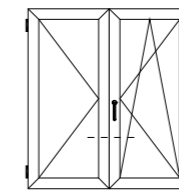
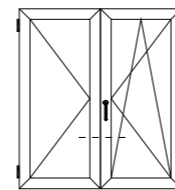
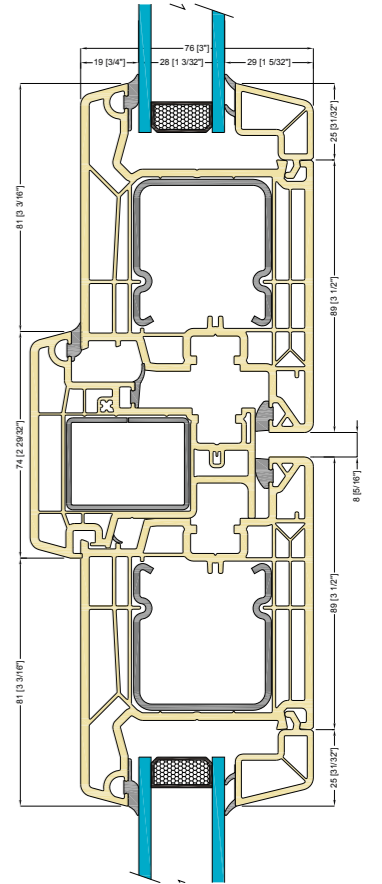
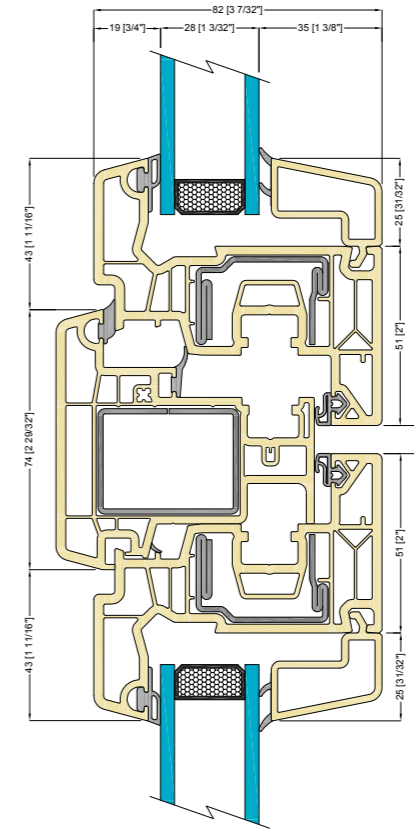
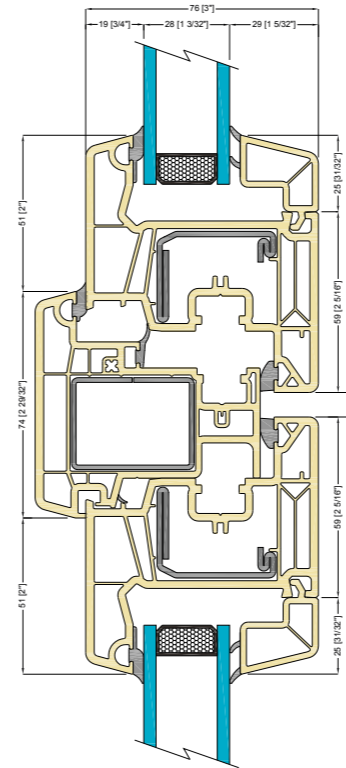
Outswing door - low threshold



Meeting section for tilt & turn window Antea 76

Meeting section for tilt & turn window Antea Horizon

Meeting section in reinforced sash





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