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Product Overview

The **VISTA 100 Series Fixed Window** delivers an uninterrupted, floor-to-ceiling view with the slimmest frame in its class. Its fixed, non-operable sash eliminates hardware entirely — no handles, no hinges, no moving parts — leaving nothing between you and the outdoors but glass. The robust 2.0mm thermal-break aluminum frame provides excellent resistance to weather conditions and guarantees long-lasting dependability, while a range of customizable glass options — Low-E2, Low-E4, triple-pane, and laminated — enhance energy efficiency, privacy, and acoustic comfort. Featuring a narrow 65mm frame face that maximizes the glass-to-frame ratio, the VISTA 70Series brings contemporary style and effortless, maintenance-free performance to any elevation. Built to order in the size, glass, and finish your project demands.

Size Limitations

The VISTA FIXED 100 SERIES accommodates widths from 12" to 72" and heights from 24" to 96". The standard unit shown in this specification measures 32"W × 80"H (813 × 2032mm). Adhering to these size guidelines is crucial for ensuring structural integrity, proper glazing support, and lasting weatherproofing. Exceeding these limits or incorrect installation may affect performance. Beyond the recommended boundaries, additional customizations are possible — contact our team.

Energy Efficiency

Glass can either be clear or tailored with coatings such as Low-E2 and Low-E4 to boost energy efficiency and comfort. These Low-E coatings reflect infrared radiation, aiding in keeping interiors cooler during summer and warmer in winter, while still allowing visible light to pass through. They also enhance insulation and minimize UV rays that can cause furniture to fade. When paired with thermally broken aluminum frames — which interrupt the heat path through the profile — these elements greatly enhance the thermal efficiency of the window, leading to greater energy savings, sustained comfort, and increased value for both homes and commercial spaces.

Performance Chart

Frame Material	Aluminum 6063-TS	Solar Heat Gain Coefficient	0.23
Frame Thickness	1.8 mm	Visible Transmittance	0.51
U-Factor	26	Air Leakage	0.30
Argon Fill	90%	Condensation Resistance	61

** These values are based on 3rd party software modeling tests

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Glass Options

STANDARD

Low-E2: A dual-pane configuration utilizing two layers of microscopic metallic coating to offer balanced, year-round energy efficiency. It reflects a moderate amount of solar heat during summer while trapping indoor warmth during winter. It serves as a cost-effective, baseline choice for moderate climates.

ADVANCED

Low-E4: An advanced dual-pane setup featuring four layers of high-performance metallic coatings to maximize energy savings. It blocks the vast majority of destructive UV rays and solar heat while letting in clear, natural light. This option is ideal for climates with intense sun exposure and extreme temperatures.

PREMIUM

Triple-Pane Insulated Glass: A heavy-duty unit built with three separate glass panes that create two independent insulating gas chambers. This configuration maximizes thermal resistance, dramatically lowers your energy bills, and eliminates winter draft zones. It provides the ultimate level of cold-climate insulation.

ELITE TIER

Laminated Insulated Glass (LIC): A premium dual-pane setup where one pane consists of two glass sheets permanently bonded to a tough plastic interlayer. This design dampens incoming street noise, stops forced entry by holding together when smashed, and blocks nearly all UV fading. It delivers a comprehensive solution for home security, quietness, and weather protection.



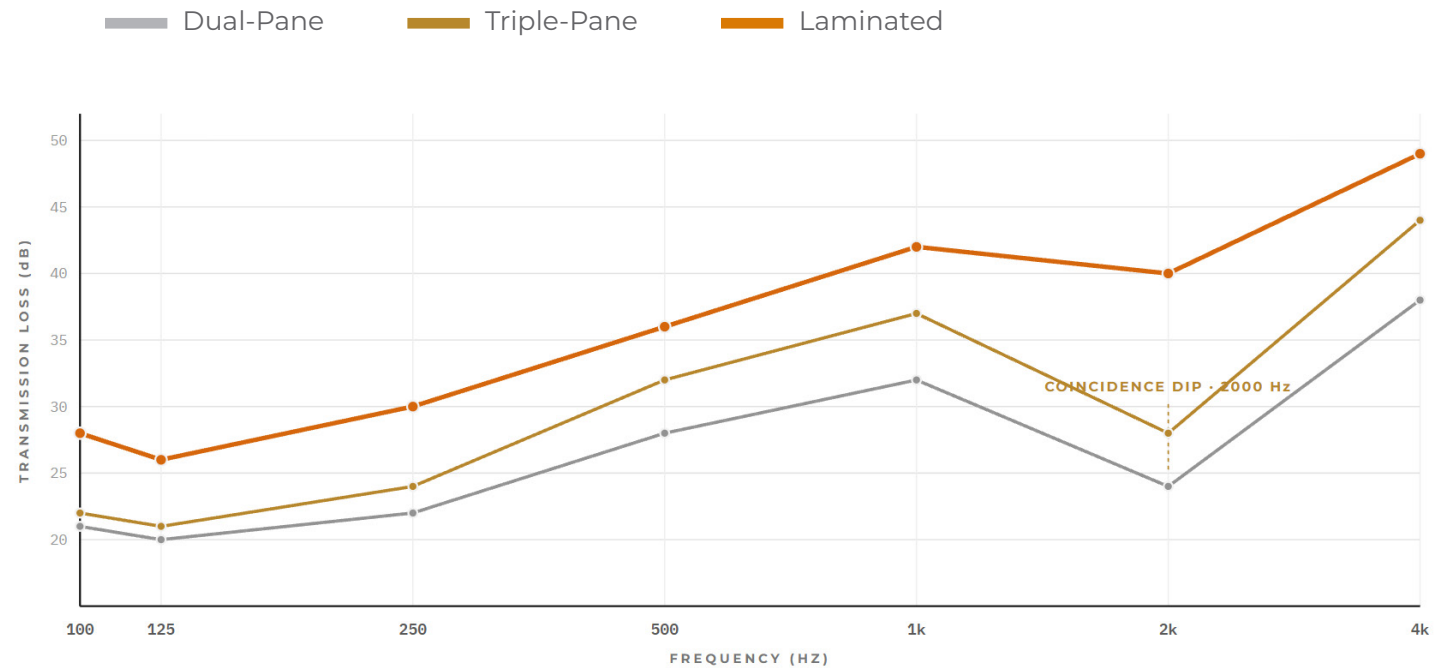
GLASS TYPE	U-FACTOR Reduces Heat Loss	SOLAR HEAT GAIN COEFFICIENT LIMITS SOLAR HEAT	VISIBLE LIGHT TRANSMITTANCE CONTROLS LIGHT PASSAGE	UV PROTECTION BLOCKS UV RAYS
Dual-pane Low-E2	★ ★ ★	★ ★ ★	★ ★ ★ ★ ★ ★	★ ★ ★
Dual-pane Low-E2	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Triple-pane Glass	★ ★ ★ ★ ★ ★	★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Laminated Glass	★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★

03

Sound Performance

Our architectural glass lineup is engineered to satisfy distinct performance thresholds. While thermal coatings optimize energy efficiency, acoustic comfort relies on structural mass, air-space decoupling, and material vibration dampening. With no operable joints or opening seams, the fixed sash adds a further layer of acoustic sealing — making the VISTA FIXED 100 Series one of our quietest units. This document details the acoustic attenuation properties across our four core performance tiers.

FREQ (HZ)	PITCH PROFILE / ACOUSTIC SOURCE	DUAL-PANE	TRIPLE-PANE	LAMINATED
		Sound Transmission Loss (dB)	Sound Transmission Loss (dB)	Sound Transmission Loss (dB)
100	Deep Bass, Heavy Trucks Idling	21	22	28
125	Low Rumble, Railway & Aircraft	20	21	26
250	Mid Range, Male Speech Baseline	22	24	30
500	Mid-High, Office Activity & Female Speech	28	32	36
1000	High Frequency, Traffic Horns & Sirens	32	37	42
2000	Critical Glass Coincidence Resonance Dip	24	28	40
4000	Ultra-High Pitch, Screeching Brakes	38	44	49



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Features & Finishes

The Vista Fixed 100 Series is engineered for homeowners who refuse to compromise on quality, durability, and long-term performance. Its fixed, non-operable design means there is nothing to adjust, lubricate, or wear out — year after year of wipe-clean, maintenance-free service.

To perfectly match your architectural vision, the series offers complete design freedom — choose your size, glass package, and finish.



A narrow 2.6" frame face maximizes the glass-to-frame ratio, pulling the view to the foreground and the window itself out of sight. Clean mitered corners and a flat, modern profile suit contemporary architecture inside and out.

1

No handles, no hinges, no cranks — and nothing to fail. The sealed sash is our most weather-tight and most secure configuration, and it never needs adjustment. Simply wipe and go.

2

3

1.8mm aluminum profiles with 14.8mm polyamide insulation strips interrupt the thermal bridge, cutting heat transfer and eliminating condensation at the frame.

4

Works together with multi-layer silicone-sealed weatherstrips and EPDM gaskets for quiet, weathertight performance in driving rain and high winds.



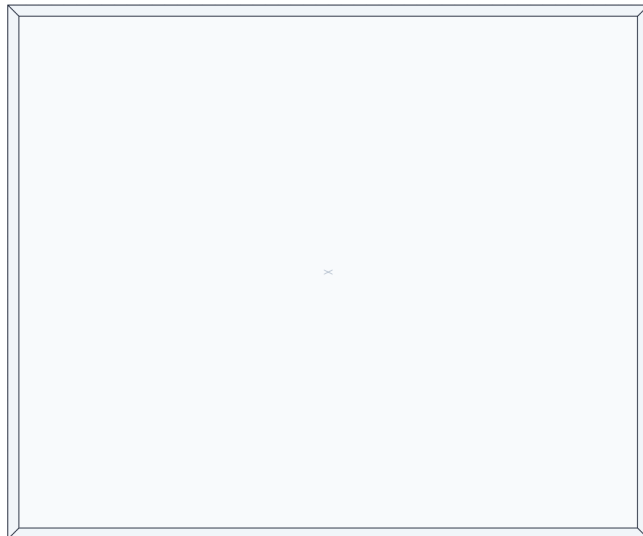
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Configurations

Available Configurations

STANDALONE PICTURE WINDOW

A single fixed unit in a wall opening, framed by your interior trim. Best for capturing a garden, a skyline, or a courtyard — maximum light, zero visual interruption. The go-to choice for new feature windows and replacement projects.



COMBINATION ELEVATION

The Vista Fixed 100 Series mulled side-by-side with Sashway operable windows and doors across an elevation. Fixed units carry the view; operable units bring the breeze. One continuous ribbon of glass, one matching frame finish, one clean architectural statement. Best for great rooms, storefronts, and whole-facade projects.



Frequently Asked Configuration Questions

Does the Vista open?

No — it is a fixed, non-operable picture window. Pair it with a Sashway awning, casement, or sliding unit in the same finish for ventilation.

Can I order custom sizes?

Yes — units are built to order. Widths from 12" to 72" and heights from 24" to 96" are standard; larger sizes and combinations available on request.

What is the system depth?

2.8" (70mm) frame depth. Verify rough-opening depth and interior trim conditions before ordering.

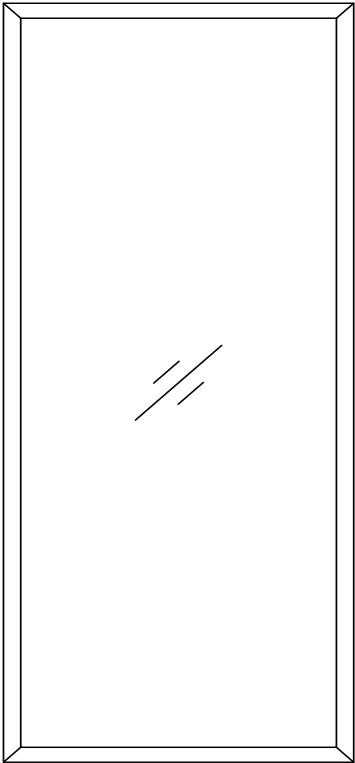
Is a sill included?

A standard sill profile is included; flush-mount and jamb-only details are available for custom projects.

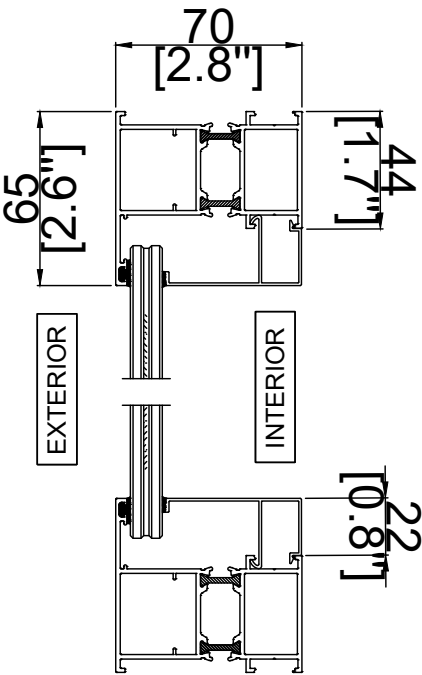
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Drawings

Front View



Side View



Top Down View

