ZERO NET Zero Sightline Vent

BY FREMARQ INNOVATIONS

ZERO NET Zero Sightline Vent

Now you can get fresh air into your building without interrupting that beautiful, clean, perfect exterior curtain wall with unsightly and inefficient windows. The ZERO NET Zero Sightline Vent looks like another fixed panel in the curtain wall from the outside, and very clean and simple from the inside. Better still, this vent, when closed, has the same unbelievable performance values as our other products – unheard of in the industry.

Technical information

U Factor Chart*

The following chart shows the relationship of the Center of Glass (COG) U factor to the Assembly U factor of the FreMarq ZERO NET Zero Sightline Vent. This difference is significantly less than with competitive products where, for example, a 0.30 COG U factor would typically equate to a 0.40 or higher Assembly U factor. This remarkable ratio is obtained thanks to our proprietary, patented ZERO NET thermal break technology.

COG U factor	Assembly U factor
0.30	0.36
0.25	0.31
0.20	0.26
0.18	0.24
0.15	0.21
0.12	0.18

*U factors based on NFRC 100 Gateway sizes and Therm 7.4 and Window 7.4 Simulation Software

FEATURES	BENEFITS
FreMarq's patented ZERO NET fiberglass thermal barrier	 NFRC assembly U factor as low as .25 with 1" IGU Interior frame temperature 61° in cold weather, 70°s in hot weather CRF of 82, 15% better than competitive products Exceptionally high STC/OITC ratings means a quieter building environment Achieves triple-pane glass performance using double-pane low-e IGU
AW rated window	Can be used on any on any type of project where you want to have an operable window installed in a fixed frame, from single story buildings to high-rises
Overall frame depth 4 inches	
Structural glazing glass to sash	Makes the window look like a pane of glass, not a window
Infill from 1 - 1 3/4 inches	Glazing options provide design flexibility and the right infill for each project

FEATURES	BENEFITS
Casement or vent configuration	Option to use whatever configuration works best for the inside of the building
European hardware	Higher performance and very clean handle design
Sizes larger than AAMA test sizes available	Size of window or vent is not restricted
Factory fabricated, assembled and glazed	Can be glazed into all of our captured products
Available options: • Extended product warranty • Different back member depths • Interior trim attachment • Custom anchors	The options available provide great design flexibility, adding considerable customization to an off-the-shelf product Easily integrate with your design software

Technical information and performance specifications

Key performance valuesWater infiltration (psf)15Air infiltration at 6.24 psf (cfm)0.01Structural (psf)60



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FreMarq Innovations

The Patented Thermal Barrier Answer to Ensure the Inside Feels as Great as the Outside Looks

It took a group of like-minded engineering rebels to ask "Why?"— challenging normal conventions in thermal break solutions—to develop a thermal barrier that does what it's supposed to, and put an end to compromise.

For over 30 years we've been revolutionizing aluminum-glass curtain wall thermal performance—breaking records, dispelling myths, crashing through "can't-be-done" barriers, exceeding all codes.

Our line of windows, curtain walls and vents give buildings and projects unprecedented performance. This is only made possible through our exclusive, patented and zero-compromise thermal barriers.

It's the platinum standard for where the world is headed.

THE END OF COMPROMISE® FreMarqInnovations.com US Patent No. 9,663,946 and other US and foreign patents pending. The End of Compromise[®] is a registered trademark and FreMarq[™] is a protected trademark of FreMarq Innovations, Inc. © 2018 FreMarq Innovations, Inc.

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End all compromise starting right now.