



Passive House Outswing Windows for Commercial Applications

Aspekt+ is America's first passive house outswing window for commercial and multifamily buildings. Seamlessly blending familiar North American outswing operation and cutting-edge lightweight ThinGlass with superior hardware and materials, these windows set a new benchmark that goes beyond typical commercial building standards.

Aspekt+ not only meets the stringent Passive House performance requirements but also answers the residential and commercial market's need for larger windows, offering a modern look that fills spaces with natural light. In a world seeking enhanced climate resilience and high-performing structures, embrace the best of window design without compromises.

Benefits:

- Winner: 2022 Most Innovative Window by Window & Door
- Passive House whole-window thermal performance down to U-0.15
- Unique Outswing function with larger sizes
- Hybrid Fiberglass and uPVC Polymer Sash



TECHNICAL SPECIFICATIONS & DATA



ASPEKT+ LINE AR-6 FULL FRAME NFRC THERMAL PERFORMANCE						
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR
Fixed Low Profile	SolarControl-6 TGT	0.16	6.3	0.21	0.48	77
	Balanced-6 TGT	0.15	6.7	0.27	0.46	76
	HighGain-6 TGT	0.16	6.3	0.48	0.59	76
Sash Set Fixed	SolarControl-6 TGT	0.19	5.3	0.16	0.36	76
	Balanced-6 TGT	0.19	5.3	0.20	0.34	76
	HighGain-6 TGT	0.19	5.3	0.36	0.44	76
Casement	SolarControl-6 TGT	0.19	5.3	0.16	0.36	76
	Balanced-6 TGT	0.19	5.3	0.20	0.34	76
	HighGain-6 TGT	0.19	5.3	0.36	0.44	76
Awning	SolarControl-6 TGT	0.19	5.3	0.16	0.36	76
	Balanced-6 TGT	0.19	5.3	0.20	0.34	76
	HighGain-6 TGT	0.19	5.3	0.36	0.44	76

Performance data is calculated according to NFRC-100, 200.

SolarControl
Lowest Solar Heat Gain Coefficient

Balanced
Low U-Factor, High Visible Light

High Gain
Maximum Passive Gain and Daylight

STYLE OPTIONS

Window Types



Colors

Interior

White

Exterior

White

Midnight Blackbrown

Bronze

Handle Colors



WHY ASPEKT+?

Unparalleled Performance & Comfort

- Proprietary RAU-FIPRO fiber-reinforced uPVC incorporates co-extruded triple-seal technology that limits thermal conduction and ensures a tight frame-to-sash seal with a significantly reduced U-value, as low as 0.14.
- Engineered for up to 42dB ASTM E90 sound reduction for excellent acoustic qualities.

Architectural Freedom for Bigger Sizes

- The frame material used enables Alpen to build units for up to 30% larger openings than traditional North American outswing uPVC windows, with the same stability and torsional rigidity.
- Alpen's frame extenders and integrated nailing flange make it easier to match the exterior insulation.

Long Lasting Durability

- No-maintenance, UV-resistant Exofol FX foil finish with 20 year warranty
- Fusion welded corners enhance structural strength, and guard against even the Harshest weather conditions.
- Dimensionally stable frame material eliminates stress on seals, caulking, and joints