

CASEMENT WINDOWS

When you think of windows as a style element in your home, you'll see why casements are a popular choice. The handsome construction, ample glass exposure and gentle outward opening of the sash impart refreshing ventilation and aesthetic appeal.



PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 Concealed hinges open 90 degrees (on windows 16" wide or more); exterior glass is easy to clean from inside.
- 2 Inner and outer accessory grooves for optional finishing accessories.
- 3 Multi-point locking system.
- 4 Double-glazed 7/8" insulated glass units featuring advanced Super Spacer warm-edge design create an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 5 Heavy-duty operating hardware crank ensures a tight fit for easy operation.
- 6 IntegraWeld four-point fusion-welded corners add structural strength and increase precision in the frame and sash.
- 7 Optional no charge black weatherstripping.

ADDITIONAL FEATURES

- Premium vinyl frame and sash never need painting and will not rust, peel or corrode.
- Spring bottom-loaded screen design (no pins or tabs) for a snug fit and easy removal and replacement from the interior.
- Full range of vinyl, composite and wood jamb extensions available.

Visual Transmission (VT) The percentage or fraction of the visible spectrum weighted by the sensitivity of the eye, that is transmitted through the glazing. Test results may vary for windows with grids.

CR (Condensation Resistance) An indication of a window's ability to resist condensation. The higher the CR, the less likely condensation is to occur.

Solar Heat Gain Coefficient (SHGC) The fraction of radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. The lower a window's SHGC, the less solar heat it transmits and the greater its shading ability. Test results may vary for windows with grids.

ER Rating (Energy Rating) A measure of a window's overall performance based on three factors: 1) solar heat gain, 2) heat loss through frames, spacers and glass, and 3) air leakage heat loss. A positive ER rating means the window adds more heat to the home than it loses during heating season. A negative ER rating means the window loses more heat than it gains during heating season.

U-Factor (also referred to as U-value) The rate of heat flow through a glazing system. The lower the value, the better the insulating quality. U-factor can be compared to R-value by dividing 1 by the U-factor. For example, a U-factor of 0.5 equals an R-value of 2.

WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹	ER ²
Casement	.53	59	.48	.28	32
Fixed Casement	.62	60	.56	.29	36

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.

CSA CERTIFICATION¹

Model	Performance Rating ²	Forced Entry Grade	Performance Rating ²	Forced Entry Grade
Casement	R-PG55, A3	10	CW-PG45, A3	10
Fixed Casement	R-PG80, FX	40	CW-PG75, FX	40

¹Tested to AAMA/WDMA/CSA 101/1.S.2/A440-08 and CSA A440S1-09. ²Performance rating varies by size tested.