



Vinylbilt's new Diamond line is designed for Canada's most extreme climate. The product is available in triple glaze with an overall glass thickness of 1-3/8" and achieves excellent Energy Star results.



The Diamond line comes available in the following product styles:

- Casement
- Awning
- Picture and Fixed

The Diamond line can be ordered with **all of Vinylbilt's existing grills, brickmoulds and jamb extensions.**

The Diamond line features Insulating Glass (IG) units that combine the power of **Super Spacer** to create 2 air chambers that are both 1/2"\* overall. Both of these chambers can be filled with Argon gas. All of Vinylbilt's industry leading warranties apply. Diamond line has been certified to the most stringent standards (NAFS) for CSA. NAFS is the new standard for window testing.

Along with the new wider thermal glass, the Diamond line also features a new multi-point hardware with a full 180 degree operation.



### Standard features:

- All windows are 3-1/4" frame profile
- Triple glazed standard 1-3/8" overall glass thickness
- 2-1/2" air chambers that can be filled with Argon gas
- S Class Super Spacer
- New multipoint hardware design with 180 degrees of operation
- All existing Vinylbilt options and accessories available
- Standard and custom colours available
- Precision mitered fusion welded sash and frame
- Full screen overlap



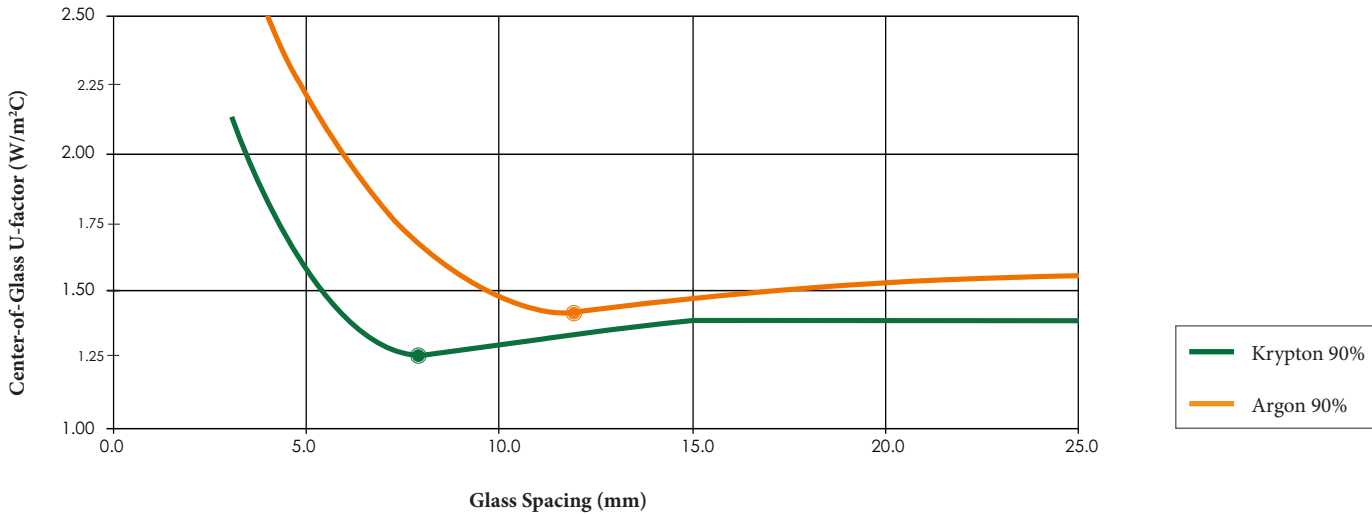
**vinylbilt**  
WINDOWS & DOORS  
B I L T B E T T E R  
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\*based on 3 mm glass

- **Designed** for Canada's harshest climates
- **Tested** in accordance to the new window standard for North America (NAFS)
- **Lifetime warranty**
  - Glass, Hardware, Vinyl
  - 15 year warranty on colours

**Center-of Glass U-factor (SI) vs. Glass Spacing**  
**Double Glazed Low-e 0.04 Argon and Krypton Fills**

Gas percentages represent initial fill rates achieved, balance assumed to be air.  
 Calculations performed using Window 5.2 computer program by WESTLab.



**Independent Laboratory tests show that**

- Krypton's optimum air space is 7 mm or 1/4". Air space in Vinylbilt's Triple glazed unit is 1/4".
- Argon's optimum air space is 13 mm or 1/2". Vinylbilt's Diamond line has 2 1/2" air spaces.

**Performance Evaluation in Accordance with: AAMA/WDMA/CSA101/I.S.2/A440-08\***

Energy Star									CSA		
Style	Model	Grills	U Factor	U value	R Value	SHGC	Energy Rating	Zone	Air	Water	Structure
Casement	180/arg/clr/arg/clr	No	1.25	0.22	4.55	0.38	34	ABCD	A3	B7	C5
Casement	366/arg/clr/arg/clr	No	1.19	0.21	4.76	0.16	23	ABC	A3	B7	C5
Casement	366/arg/clr/arg/180	No	1.02	0.18	5.56	0.16	27	ABCD	A3	B7	C5
Awning	180/arg/clr/arg/clr	No	1.25	0.22	4.55	0.38	34	ABCD	A3	B7	C5
Awning	366/arg/clr/arg/clr	No	1.19	0.21	4.76	0.16	23	ABCD	A3	B7	C5
Awning	366/arg/clr/arg/180	No	1.02	0.18	5.56	0.16	27	ABC	A3	B7	C5
High Fixed	180/arg/clr/arg/clr	No	1.25	0.22	4.55	0.38	34	ABCD	A3	B7	C5
High Fixed	366/arg/clr/arg/clr	No	1.19	0.21	4.76	0.16	23	ABCD	A3	B7	C5
High Fixed	366/arg/clr/arg/180	No	1.02	0.18	5.56	0.36	38	ABC	A3	B7	C5
Low Fixed	180/arg/clr/arg/clr	No	1.19	0.21	4.76	0.51	43	ABCD	A3	B7	C5
Low Fixed	366/arg/clr/arg/clr	No	1.14	0.20	5.00	0.22	28	ABCD	A3	B7	C5
Low Fixed	366/arg/clr/arg/180	No	0.85	0.15	6.67	0.21	33	ABCD	A3	B7	C5