



A quality manufacturer of high performance vinyl windows and doors

## Test Report Specifications Casement

**ANSI/AMAA/NWWDA 101/I.S-97**  
**Report # 54876.01-701-47**

### Summary of Results

Title	Specimen 1	Specimen 2	Specimen 3	Specimen 4
Rating	<b>C-C30</b> 36 x 72	<b>C-C30</b> 36 x 60	<b>C-C35</b> 36 x 60	<b>C-R20</b> 36 x 60
Air Infiltration	0.01 cfm/ft <sup>2</sup>	N/A	N/A	N/A
Water Resistance Pressure	12.0 psf	N/A	N/A	12.0 psf
Uniform Deflection Pressure	± 30.0 psf	± 30.0 psf	± 35.0 psf	± 20.0 psf
Uniform Structural Pressure	± 45.0 psf	± 34.0 psf	± 52.5 psf	± 30.0 psf
Deglazing	Passed	Passed	Passed	Passed
Forced Entry Resistance	Grade 10	N/A	N/A	N/A

**NFRC 100/200/500**  
**Report # 90066.04-116-45**

Base Unit Validated 23.625+x 59.00+	
Simulated Thermal Transmittance (U-Factor)	0.28

### Specific Thermal Results

Spacer Type	Super Spacer				Specifically for the Northern Climate Zone	
	E-Max* (Low-e <sup>2</sup> ) w/Argon		Advanced E-Max (Low-e <sup>3</sup> ) w/Argon		Advanced E-Max & I 89 w/Argon	
Low-E Type	No Grids	w/ Grids	No Grids	w/ Grids	No Grids	w/ Grids
<b>U-Factor</b>	<b>0.27</b>	<b>0.27</b>	<b>0.27</b>	<b>0.27</b>	<b>0.24</b>	<b>0.24</b>
<b>SHGC</b>	<b>0.27</b>	<b>0.25</b>	<b>0.19</b>	<b>0.18</b>	<b>0.19</b>	<b>0.17</b>
VT	0.50	0.45	0.45	0.41	0.44	0.40
CR	59	59	61	61	49	49