

Eurotek 70 Series

70 mm profile depth

	TECHNICAL DATA:
Thermal Insulation	Standard Combination Triple Pane, LoE3 glass (on 2 panes), 90% Argon fill U-Factor .17
Sound insulation	Excellent sound insulation up to STC 44 (Note: requires 3 panes of Laminate glass)
Security	GRADE 20-PASS CAWM 1-79 PASS CMBSO 301 PASS
Thermal Performance	U-Factor: 0.17 SHGC: 0.15 SHGC (w/grid<1") 0.13 SHGC(w/Grid=>1") 0.12 Visible Transmittance: 0.31 Condensation Resistance: 66



QUADRUPLE PROTECTION
Thermal, Sound, UV and Security protection all in one window. Additional levels of Thermal, Sound, and security protection are possible with additional options.

Eurotek 70 Series

Swing Door

	TECHNICAL DATA:
Thermal Insulation	Standard Combination Triple Pane, LoE3 glass (on 2 panes), 90% Argon fill U-Factor .21
Sound insulation	Excellent sound insulation up to STC 44 (Note: requires 3 panes of Laminate glass)
Security	Forced Entry Resistance AAMA 1304-02-PASS



QUADRUPLE PROTECTION
Thermal, Sound, UV and Security protection all in one window. Additional levels of Thermal, Sound, and security protection are possible with additional options.

Eurotek 70 Series

DUAL ACTION WINDOW - Fenestration Testing Results

Series & Product Type: Eurotek 70 - PVC DUAL ACTION WINDOW
 Frame Size: 1206.50 mm x 1797.05 mm (47.5" x 70.75")
 Primary Designator: Class CW-PG60 1206.5 x 1797.05 mm (47.50 x 70.75 in) Type: DAW

9.3.1 - Operation Force (ASTM E2068-00 (2016))		
Test Description	Results	Allowed
Maximum force to initiate motion	4.44 N (1.00 lbf)	Report Only
Maximum force to maintain motion	2.22 N (0.50 lbf)	135 N (30.35 lbf)
Latching device force	44.48 N (10.00 lbf)	100 N (22.48 lbf)

9.3.2 - Air Infiltration (ASTM E283-04 (2012))		
Test Description	Results	Allowed
75 Pa differential pressure	0.10 L/s*m ²	1.5 L/s*m ²
1.57 psf differential pressure	0.02 cfm/ft	0.30 cfm/ft
The tested specimen meets the performance levels specified in AAMA/WDMA/CSA 101/1.S.2/ A440 for air leakage resistance.		

9.3.2 - Air Exfiltration (ASTM E283-04 (2012))		
Test Description	Results	Allowed
75 Pa differential pressure	0.05 L/s*m ²	1.5 L/s*m ²
1.57 psf differential pressure	0.01 cfm/ft	0.30 cfm/ft
The tested specimen meets the A3 Canadian air exfiltration performance requirements specified in AAMA/WDMA/CSA 101/I.S.2/A440 for water penetration.		

9.3.3 - Water Penetration (ASTM E574-00(2016))			
Test Description	Results	Allowed	Comments
720 Pa (15.04 psf)	No water penetration	no water penetration	1, 2

9.3.4.2 - Uniform Load Deflection at Design Pressure (ASTM E330-14)			
Test Description	Results	Allowed	Comments
DP60 - 2880 Pa (60.15 psf) Pos	7.62 mm (0.30")	9.91mm (0.39")	2
DP60 - 2880 Pa (60.15 psf) Neg	2.79 mm (0.11")	9.91 mm (0.39")	2

9.3.4.3 - Uniform Load Structural Overload (OL) at 1.5 x Design Pressure (ASTM E330-14)			
Test Description	Results	Allowed	Comments
OL for DP60 - 4320 Pa (90.23 psf) POS	0.76 mm (0.03")	5.08 mm (0.20")	2
OL for DP60 - 4320 Pa (90.23 psf) Neg	0.51 mm (0.02")	5.08 mm (0.20")	2

9.3.5 - Forced Entry Resistance (ASTM F588-14 & CAWM 301-90 (1995))		
Test Description	Results	Allowed
ASTM F588 Type B and CAWM 301 Type II	No entry	No entry

9.3.6.2 - Thermoplastic Weld Test		
Test Description	Results	Allowed
Frame and Sash Corners	Pass	Break shall not extend along the entire weld line

9.3.6.4.3 - Sash/ Leaf concentrated load test on latch rail		
Test Description	Results	Allowed
Normal to plane 135 N (30.35 lbf)	0.76 mm (0.03")	≤1.5 mm (0.06")
In the plane 230 N (51.71 lbf)	0.76 mm (0.03")	≤3.3 mm (0.13")

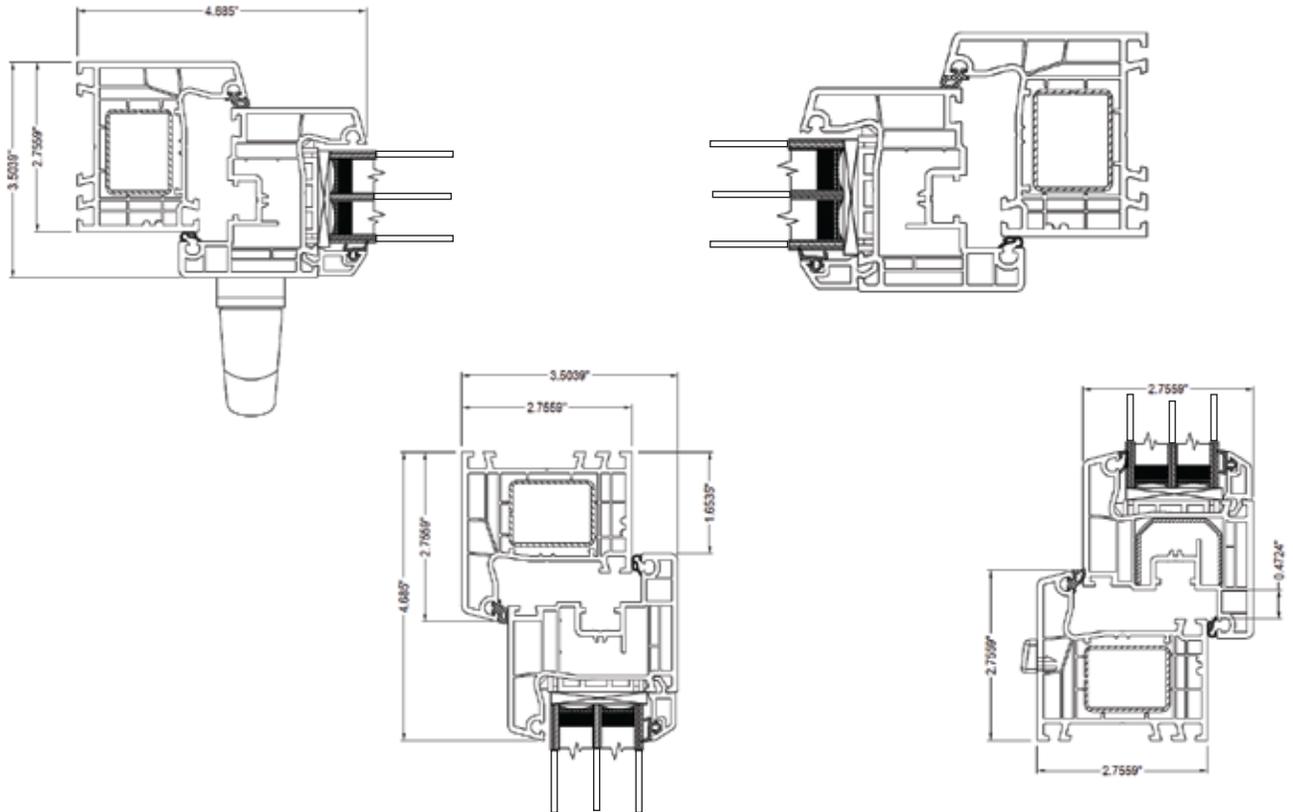
9.3.6.5.3 - Stabilizing arm load test			
Test Description	Results	Allowed	Comments
Sash Corners 890 N (200.08 lbf)	Passed	Sash operations/ no damage	3
Top Rail at Center 1780 N (400.15 lbf)	Passed	Sash operations/ no damage	3

Comment #1 - Tested without insect screen.

Comment #2 - Opted to start testing a level higher than the gateway.

Comment #3 - "Stabilizing arm load test" states "After load removal, there shall be no damage to the window or door frame, operable sashes or leaf components, glass stabilizing arm, or hardware components, and the product shall function normally." This is the criteria applied by stating "Passed" under "Results."

Cross Section for Dual Action Window



In Swing Side Hinged Door Test Results

Title	Summary of Results
Primary Product Designator	Class CW-PG50:Size tested 1016 x 2121 mm (40 x 83.5in)- Type SHD
Design Pressure	± 2880 Pa (60.15 psf)
Operating Force (Force to Latch)	36 N (8 lbf)
Air Infiltration/Exfiltration	0.2 L/s/m ² (0.04 cfm/ft ²) – Infiltration 0.1 L/s/m ² (0.02 cfm/ft ²) – Exfiltration
Water Penetration Resistance Test Pressure	360 Pa (7.52 psf)
Uniform Load Structural Test Pressure	± 4320 Pa (90.23 psf)
Forced Entry Resistance	AAMA 1304-02 - Passed
Operation/Cycle Performance	250,000 Cycles - Passed
Force to Latch After Vertical Deflection Testing	36 N (8lbf)



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