

Tyrol Series

Air/Water/Structural Performance



Test Summaries

Description	Performance Grade (Test Size)	Performance Grade (Test Size)
Tyrol Fixed Window		
Non-Reinforced		
AAMA/WDMA/CSA 101/I.S.2/A440-11	R-PG90-FW (47" x 59")	CW-PG50-FW (72" x 96")
Results:		
Design Pressure psf (Pa)	90.23 psf (4320 Pa)	50.13 psf (2400 Pa)
Structural Test Pressure psf (Pa)	135.35 (6480 Pa)	75.19 psf (3600 Pa)
Air Infiltration @1.57 psf (@75 Pa)	<0.01 cfm/ft ² (<0.1 L/s/m ²)	<0.01 cfm/ft ² (0.1 L/s/m ²)
Water Penetration Resistance Test Pressure psf (Pa)	29.24 psf (1400 Pa)	15.04 psf (360 Pa)
Forced Entry Resistance (ASTM F-588-07)	Grade 10 Pass	Grade 10 Pass
	<i>Report Issue: 11/09/2010</i>	<i>Report Issue: 09/21/2016</i>
Tyrol Tilt-Turn Window		
Non-Reinforced		
AAMA/WDMA/CSA 101/I.S.2/A440-11	R-PG95-DAW (47" x 59")	CW-PG60-DAW (48" x 71")
Results:		
Design Pressure psf (Pa)	95.24 psf (4560 Pa)	70.18 psf (3360 Pa)
Structural Test Pressure psf (Pa)	142.86 psf (6840 Pa)	105.26 psf (5040 Pa)
Air Infiltration @1.57 psf (@75 Pa)	<0.01 cfm/ft ² (<0.1 L/s/m ²)	0.03 cfm/ft ² (0.2 L/s/m ²)
Water Penetration Resistance Test Pressure psf (Pa)	25.06 psf (1200 Pa)	9.19 psf (440 Pa)
Forced Entry Resistance (ASTM F-588-07)	Grade 10 Pass	Grade 10 Pass
	<i>Report Issue: 11/09/2010</i>	<i>Report Issue: 09/21/2016</i>
Tyrol Combination Unit Tilt-Turn with Fixed		
Common Frame / T-Mull, Non-Reinforced		
AAMA/WDMA/CSA 101/I.S.2/A440-08	R-PG55-FW (110" x 59")	
Results:		
Design Pressure psf (Pa)	55.14 psf (2640 Pa)	
Structural Test Pressure psf (Pa)	82.76 psf (3960 Pa)	
Air Infiltration @1.57 psf (@75 Pa)	<0.01 cfm/ft ² (<0.1 L/s/m ²)	
Water Penetration Resistance Test Pressure psf (Pa)	18.80 psf (900 Pa)	
Forced Entry Resistance (ASTM F-588-07)	Grade 10 Pass	
	<i>Report Issue: 11/09/2010</i>	



Test Summaries

Performance Grade (Test Size) Performance Grade (Test Size)

Tyrol Side-Hinged Inswing Door

Jamb and Stile Reinforced

AAMA/WDMA/CSA 101/I.S.2/A440-11

CW-PG70 (46" x 90")

Results:

Design Pressure psf (Pa)

70.20 psf (3360 Pa)

Structural Test Pressure psf (Pa)

105.3 psf (5040 Pa)

Air Infiltration @1.57 psf (@75 Pa)

0.002 cfm/ft² (0.010 L/s*m²)

Water Penetration Resistance Test Pressure psf (Pa)

15 psf (720 Pa)

Forced Entry Resistance (ASTM F-588-07)

Grade 10 Pass

Report Issue: 06/14/2012

Tyrol Side-Hinged French Outswing Door

Jambs, Astragal, Stiles, and Sill Reinforced

AAMA/WDMA/CSA 101/I.S.2/A440-08

CW-PG-45 (90" x 86")

Results:

Design Pressure psf (Pa)

45.11 psf (2160 Pa)

Structural Test Pressure psf (Pa)

67.67 psf (3240 Pa)

Air Infiltration @1.57 psf (@75 Pa)

0.02 cfm/ft² (0.1 L/s/m²)

Water Penetration Resistance Test Pressure psf (Pa)

15 psf (720 Pa)

Forced Entry Resistance (ASTM F-588-07)

Pass

Report Issue: 05/25/12