



Structural Performance Certification Authorization Report

PGT Custom Windows and Doors, LLC

3400 Precision Dr
N. Venice, FL 34275, USA

Certification ID:	190-1075
Company Code:	190
Certification Date:	2/17/2015
Revision No:	2
Revision Date:	1/28/2025
Expiration Date:	1/10/2028

Product Rating Information:

Model:	5500 Aluminum H/V/T/X Mullion 1.25"x3.25"x0.100"			
Operator Type:	Mull			
Configuration:	No Reinforcement			
Referenced Standard:	AAMA 450-10			
Product Rating:	See Appendix 1 Load Tables and Impact Ratings			
Rated Dimensions:	Max Width:	See Table	Max Height:	See Table

Qualifying Test Information:

Test Report No:	FTL-8168
Test Report Expiration:	1/10/2028

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Appendix 1

CAR No: 190-1075.0
Expiration Date: 1/10/2028

PGT Custom Windows and Doors, LLC

3400 Precision Dr
N. Venice, FL 34275

Load Tables for the:

5500 Aluminum H/V/T/X Mullion 1.125"x3.125"x0.100"

1.25 x 3.25 x .100 Alum. Tube Mullion	Mullion Capacity Table (lbs/ft ²)																	
	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)																	
	50 in		60 in		70 in		80 in		90 in		100 in		120 in		140 in		160 in	
	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading
	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)	Mullion Capacity (lbs/ft ²)
42 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
50.625 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
63 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
76 in	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78 in	65.2	68.0	43.8	35.4	37.0	30.3	32.3	26.5	28.8	23.6	26.1	21.3	17.7	17.1	12.5	15.6	13.3	18.7
90 in	42.4	35.0	35.9	29.1	30.3	25.0	26.4	21.9	23.5	19.4	19.4	21.3	17.5	19.5	14.6	17.1	15.2	19.6
96 in	24.6	25.1	20.5	21.1	17.5	18.3	15.4	16.2	14.9	14.1	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9
108 in	22.6	23.1	18.9	19.4	16.2	16.8	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9
120 in	17.9	18.2	14.9	15.3	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9	14.1	14.9

Impact Ratings

Acceptable for use with impact resistant products up to Wind Zone 3 per ASTM E1996-05/12



Structural Performance Certification Authorization Report

Revision History

Rev #	Date	Description
0	2/17/2015	Initial Issuance.
1	9/13/2022	Corrected Mullion Size.
2	1/28/2025	Granted 3 year extension.



Structural Performance Certification Authorization Report

PGT Custom Windows and Doors, LLC

3400 Precision Dr
N. Venice, FL 34275, USA

Certification ID:	190-1076
Company Code:	190
Certification Date:	2/17/2015
Revision No:	2
Revision Date:	1/28/2025
Expiration Date:	1/13/2028

Product Rating Information:

Model:	5500 Aluminum H/V/T/X Mullion 1.25"x3.25"x0.624"			
Operator Type:	Mull			
Configuration:	No Reinforcement			
Referenced Standard:	AAMA 450-10			
Product Rating:	See Appendix 1 Load Tables and Impact Ratings			
Rated Dimensions:	Max Width:	See Table	Max Height:	See Table

Qualifying Test Information:

Test Report No:	FTL-8169
Test Report Expiration:	1/13/2028

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Structural Performance Certification Authorization Report

Revision History

Rev #	Date	Description
0	2/17/2015	Initial Issuance.
1	9/13/2022	Corrected Mullion Sizes.
2	1/28/2025	Granted 3 year extension.



Structural Performance Certification Authorization Report

PGT Custom Windows and Doors, LLC

3400 Precision Dr
N. Venice, FL 34275, USA

Certification ID:	190-1077
Company Code:	190
Certification Date:	2/17/2015
Revision No:	2
Revision Date:	1/28/2025
Expiration Date:	1/13/2028

Product Rating Information:

Model:	5500 Aluminum H/V/T/X Mullion 1.25"x3.940"x0.624"			
Operator Type:	Mull			
Configuration:	No Reinforcement			
Referenced Standard:	AAMA 450-10			
Product Rating:	See Appendix 1 Load Tables and Impact Ratings			
Rated Dimensions:	Max Width:	See Table	Max Height:	See Table

Qualifying Test Information:

Test Report No:	FTL-8170
Test Report Expiration:	1/13/2028

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2	1/28/2025	Granted 3 year extension.



Structural Performance Certification Authorization Report

PGT Custom Windows and Doors, LLC

3400 Precision Dr
N. Venice, FL 34275, USA

Certification ID:	190-1078
Company Code:	190
Certification Date:	2/17/2015
Revision No:	2
Revision Date:	1/28/2025
Expiration Date:	1/12/2028

Product Rating Information:

Model:	5500 Alum Unclipped Mullion 1.25"x3.25"x0.100"			
Operator Type:	Mull			
Configuration:	No Reinforcement			
Referenced Standard:	AAMA 450-10			
Product Rating:	DP +/-70 psf, Max Size: 127x63			
Rated Dimensions:	Max Width:	127 in	Max Height:	63 in

Qualifying Test Information:

Test Report No:	FTL-8171
Test Report Expiration:	1/12/2028

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