

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
		Rev No: 7	Page: 1 Of 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 1075.0  
Issue Date: 2/17/2015  
Revision Date: 10/10/2018  
Expiration Date: 1/10/2022  
Company Code: 190

This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review, and is based on a standardized evaluation of the product conducted by an independent accredited laboratory in accordance with the specified referenced standard. Actual fenestration product performance may vary based on many factors, including installation, condition of the wall/roof substrate and the age of the product and installation components.

This report indicates the product is eligible for the application of Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at [www.keystonecerts.com](http://www.keystonecerts.com).

Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: 5500 Aluminum H/V/T/X Mullion 1.125"x3.125"x0.100" Operator Type: Mull Config: No Reinforcement Max Width: See Table Max Height: See Table

Referenced Standard:	Product Rating:
AAMA 450-10	See Appendix 1 Load Tables and Impact Ratings

Qualifying Test Information:	
Test Report No:	FTL-8168
Test Report Expiration:	1/10/2022

Authorized Signature:



2018.10.11  
12:41:10 -04'00'

**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
Fax: 717-932-8501



# Appendix 1

CAR No: 190-1075.0  
Expiration Date: 1/10/2019

**PGT Industries**  
PO Box 1529  
Nokomis, FL 34274

Load Tables for the:

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

Mullion Length	Mullion Capacity Table (lbs/ft <sup>2</sup> )																		
	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)						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 <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )
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	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	70.0
50,62.5 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	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	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	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	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	70.0
72 in	70.0	70.0	69.1	70.0	65.2	59.2	51.8	58.8	46.1	54.2	41.4	53.8	68.7	44.8	38.4	63.7	33.6	63.7	33.6
76 in	70.0	70.0	58.7	62.6	50.3	46.6	40.8	49.4	39.2	45.3	35.2	42.2	42.2	29.4	25.2	45.0	25.9	45.0	25.9
78 in	65.2	68.0	54.3	57.7	46.6	30.3	40.8	45.4	36.2	41.6	32.6	38.7	38.7	27.2	23.3	36.2	22.0	36.2	22.0
90 in	42.4	43.8	35.4	37.0	30.3	26.5	28.8	28.8	23.6	26.1	21.2	24.1	24.1	17.7	15.2	19.6	13.3	19.6	13.3
96 in	35.0	35.9	29.1	30.3	25.0	21.9	23.5	23.5	19.4	21.3	17.5	19.5	19.5	14.6	12.5	15.6			
108 in	24.6	25.1	20.5	21.1	17.5	18.3	16.2	16.2											
111 in	22.6	23.1	18.9	19.4	16.2	16.8	14.1	14.9											
120 in	17.9	18.2	14.9	15.3															

## Impact Ratings

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

Keystone Certifications, Inc.

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Eters, PA 17319

	Document Title: <b>Structural Performance Certification Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
		Rev No: 7	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 1076.0  
Issue Date: 2/17/2015  
Revision Date: 10/10/2018  
Expiration Date: 1/13/2022  
Company Code: 190

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: 5500 Aluminum H/V/T/X Mullion 1.125"x3.125"x0.624" Operator Type: Mull Config: No Reinforcement Max Width: See Table Max Height: See Table

Referenced Standard:	Product Rating:
AAMA 450-10	See Appendix 1 Load Tables and Impact Ratings

Qualifying Test Information:	
Test Report No:	FTL-8169
Test Report Expiration:	1/13/2022

Authorized Signature:



2018.10.11  
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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
Fax: 717-932-8501



# Appendix 1

CAR No: 190-1076.0  
Expiration Date: 1/13/2019

## PGT Industries

PO Box 1529  
Nokomis, FL 34274

### Load Tables for the:

5500 Aluminum H/V/T/X Mullion 1.125"x3.125"x3.125"x0.624"

1.25 x 3.25 x .624 Alum. Tube Mullion	Mullion Capacity Table (lbs/ft <sup>2</sup> )																	
	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 <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )
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	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
90 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
96 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
108 in	49.7	50.8	41.4	42.8	39.3	37.1	31.1	32.9	39.3	43.0	47.5	47.5	48.8	43.0	35.4	29.5	34.7	26.9
111 in	45.8	46.7	38.2	39.3	32.7	34.1	28.6	30.2										
120 in	36.3	36.9	30.2	31.0														


### Impact Ratings

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

Keystone Certifications, Inc.

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Eiters, PA 17319

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
		Rev No: 7	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 1077.0  
Issue Date: 2/17/2015  
Revision Date: 10/10/2018  
Expiration Date: 1/13/2022  
Company Code: 190

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<b>Licensee Information:</b> PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	<b>Product Information:</b> Model: 5500 Aluminum H/V/T/X Mullion 1.125"x3.940"x0.624" Operator Type: Mull Config: No Reinforcement Max Width: See Table Max Height: See Table
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<b>Referenced Standard:</b> AAMA 450-10	<b>Product Rating:</b> See Appendix 1 Load Tables and Impact Ratings
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<b>Qualifying Test Information:</b>	
Test Report No:	FTL-8170
Test Report Expiration:	1/13/2022

**Authorized Signature:**



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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
Fax: 717-932-8501



# Appendix 1

CAR No: 190-1077.0  
Expiration Date: 1/13/2019

## PGT Industries

PO Box 1529  
Nokomis, FL 34274

### Load Tables for the:

5500 Aluminum H/V/T/X Mullion 1.125"x3.940"x0.624"

Mullion Length	Mullion Capacity Table (lbs/ft <sup>2</sup> )																	
	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)						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 <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )	Mullion Capacity (lbs/ft <sup>2</sup> )
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	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
90 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
96 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
108 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
111 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
120 in	59.9	61.0	49.9	51.2	54.1	56.3	47.3	51.4	54.3	49.9	56.5	58.2	50.7	55.6	44.4	57.4	52.3	68.2
144 in	34.7	35.1	28.9	29.4	56.7	61.3	51.4	65.0	65.4	65.4	56.5	48.8	41.8	41.8	41.8	41.8	41.8	41.8

### Impact Ratings

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

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
		Rev No: 7	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 1078.0  
Issue Date: 2/17/2015  
Revision Date: 10/10/2018  
Expiration Date: 1/12/2022  
Company Code: 190

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<b>Licensee Information:</b> PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	<b>Product Information:</b> Model: 5500 Alum Unclipped Mullion 1.125"x3.125"x0.100" Operator Type: Mull Config: No Reinforcement Max Width: 127 Max Height: 63
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<b>Referenced Standard:</b> AAMA 450-10	<b>Product Rating:</b> DP +/-70 psf, Max Size: 127x63
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<b>Qualifying Test Information:</b>	
Test Report No:	FTL-8171
Test Report Expiration:	1/12/2022

**Authorized Signature:**



2018.10.11  
13:07:29 -04'00'

**Keystone Certifications, Inc.**  
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