

	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
		Rev No: <b>4</b>	Page: <b>1</b> Of: <b>1</b>
Required By: <b>PRO B1-03</b>			

CAR & Product ID Number: 190 - 289  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/11/2021  
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: HR5510 PVC Impact Horizontal Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 72 Corresponding Structural CARs: 190-1046.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-50, 75x72 XO

Qualifying Test Information:	
Test Report No:	FTL-8036/8037/8038/8133
Test Report Expiration:	12/11/2021

Authorized Signature:



2018.10.11  
13:16:50 -04'00'

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

	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
		Rev No: 4	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 290  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/11/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC Impact Horizontal Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG (Ann Cap) Max Width: 75 Max Height: 63 Corresponding Structural CARs: 190-1074.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-60, 75x63 XO


Qualifying Test Information:	
Test Report No:	FTL-8040/8041/8042
Test Report Expiration:	12/11/2021

Authorized Signature:



2018.10.11  
13:17:24 -04'00'

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

	Document Title: <b>Impact Performance Certification Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
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Required By: <b>PRO B1-03</b>			

CAR & Product ID Number: 190 - 291  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/11/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC Impact Horizontal Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 63 Corresponding Structural CARs: 190-1047.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+65/-70, 75x63 XO


Qualifying Test Information:	
Test Report No:	FTL-8040/8041/8042
Test Report Expiration:	12/11/2021

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

	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
		Rev No: 4	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 190 - 292  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC Impact Horizontal Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 63 Corresponding Structural CARs: 190-1048.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-50, 75x63 XO

Qualifying Test Information:	
Test Report No:	FTL-8044/8045/8046
Test Report Expiration:	12/16/2021


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  
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	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
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Required By: PRO B1-03			

CAR & Product ID Number: 190 - 295  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG (3/16" Ann Cap) Max Width: 120 Max Height: 63 Corresponding Structural CARs: 190-1051.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-65, 120x63 XOX


Qualifying Test Information:	
Test Report No:	FTL-8050
Test Report Expiration:	12/16/2021

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

	Document Title: <b>Impact Performance Certification Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
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Required By: <b>PRO B1-03</b>			

CAR & Product ID Number: 190 - 296  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63 Corresponding Structural CARs: 190-1052.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+65/-70, 120x63 XOX


Qualifying Test Information:	
Test Report No:	FTL-8050
Test Report Expiration:	12/16/2021

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

	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
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Required By: PRO B1-03			

CAR & Product ID Number: 190 - 297  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG (Ann Cap) Max Width: 120 Max Height: 63 Corresponding Structural CARs: 190-1053.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-45, 120x63 XOX

Qualifying Test Information:	
Test Report No:	FTL-8052/8053
Test Report Expiration:	12/16/2021

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

	Document Title: <b>Impact Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-43</b>	
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Required By: <b>PRO B1-03</b>			

CAR & Product ID Number: 190 - 298  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider Operator Type: HS Config: EM/All/Clip, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63 Corresponding Structural CARs: 190-1054.0

Referenced Standard:	Product Rating:
ASTM E1886-05/E1996-12	Missile Level D, Wind Zone 4, DP=+/-50, 120x63 XOX

Qualifying Test Information:	
Test Report No:	FTL-8052/8053
Test Report Expiration:	12/16/2021


Authorized Signature:



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



	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 - 1047.0  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/11/2021  
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: HR5510 PVC Impact Horizontal Slider XO Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 63
-------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Referenced Standard:</b> AAMA/WDMA/CSA 101/I.S.2/A440-11	<b>Product Rating:</b> Class LC-PG65 1905x1600 (75x63)-Type HS Neg DP=70
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<b>Qualifying Test Information:</b>	
Test Report No:	FTL-8039
Test Report Expiration:	12/11/2021

Authorized Signature:



2018.10.10  
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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
Fax: 717-932-8501

	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 - 1048.0  
Issue Date: 1/8/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
Company Code: 190

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC Impact Horizontal Slider XO Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG50 1905x1600 (75x63)-Type HS WTP=9.75


Qualifying Test Information:	
Test Report No:	FTL-8043
Test Report Expiration:	12/16/2021

Authorized Signature:



2018.10.10  
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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
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	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
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CAR & Product ID Number: 190 - 1051.0  
Issue Date: 1/12/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
Company Code: 190

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider XOX Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG65 3048x1600 (120x63)-Type HS

Qualifying Test Information:	
Test Report No:	FTL-8049
Test Report Expiration:	12/16/2021

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

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
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CAR & Product ID Number: 190 - 1052.0  
Issue Date: 1/12/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider XOX Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG65 3048x1600 (120x63)-Type HS Neg DP=70


Qualifying Test Information:	
Test Report No:	FTL-8049
Test Report Expiration:	12/16/2021

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

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
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CAR & Product ID Number: 190 - 1053.0  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
Company Code: 190

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider XOX Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG45 3048x1600 (120x63)-Type HS WTP=9.75


Qualifying Test Information:	
Test Report No:	FTL-8051
Test Report Expiration:	12/16/2021

Authorized Signature:



2018.10.10  
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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
Phone: 717-932-8500  
Fax: 717-932-8501

	Document Title: <b>Structural Performance  Certification  Authorization Report</b>	Doc No: <b>FRM B1-02</b>	
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CAR & Product ID Number: 190 - 1054.0  
Issue Date: 1/13/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/16/2021  
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.

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Licensee Information:	Product Information:
PGT Industries 1070 Technology Dr. PO Box 1529 Nokomis FL 34274	Model: HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider XOX Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 120 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG50 3048x1600 (120x63)-Type HS WTP=9.75


Qualifying Test Information:	
Test Report No:	FTL-8051
Test Report Expiration:	12/16/2021

Authorized Signature:



2018.10.10  
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**Keystone Certifications, Inc.**  
145 Limekiln Rd. Suite 100B  
New Cumberland, Pennsylvania 17070  
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Required By: PRO B1-03			

CAR & Product ID Number: 190 - 1074.0  
Issue Date: 1/20/2015  
Revision Date: 10/10/2018  
Expiration Date: 12/11/2021  
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: HR5510 PVC Impact Horizontal Slider XO Operator Type: HS Config: EM/All, GS-5/16" Ann Lami IG Max Width: 75 Max Height: 63

Referenced Standard:	Product Rating:
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC-PG60 1905x1600 (75x63)-Type HS

Qualifying Test Information:	
Test Report No:	FTL-8039
Test Report Expiration:	12/11/2021

Authorized Signature:



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**Keystone Certifications, Inc.**  
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