

Product Evaluation Report

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Product Manufacturer:

Kaycan LTD.
3075 Trans-Canada Hwy
Pointe-Claire, QC
H9R 1B4, Canada

Product Name/Series/Description:

- KAY5010 – Unlimited Spans
 - 12" 3 PANEL, NO. 9518 SOLID SOFFIT
 - 12" 3 PANEL, NO. 9517 VENTED SOFFIT
 - 16" SP-600, NO. 605 VENTED SOFFIT
- KAY5014 – Single Spans
 - SP-600 16" SOLID SOFFIT
 - SP-600 16" VENTED SOFFIT
 - 12" 3 PANEL SOLID SOFFIT
 - 12" 3 PANEL VENTED SOFFIT
- KAY5015 – Single Spans
 - 12" 3 PANEL, NO. 9518 SOLID SOFFIT
 - 12" 3 PANEL, NO. 9517 VENTED SOFFIT
 - 16" SP-600, NO. 605 VENTED SOFFIT
- KAY5017 – Single Spans
 - 16" SP-600, VENTED SOFFIT (using 5/8" T-Nail at Fascia End)
- KAY5018 – Single Spans
 - 16" SP-600, VENTED SOFFIT (using 18 ga, 1/4" Crown Staple at Fascia End)

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Testing, Materials and Certification:

1. Drawing No. KAY5014

- a. Fenestration Testing Laboratory, Inc. Testing Report No. 7329, dated 5/21/13 including associated laboratory stamped drawings for Kaycan Aluminum Soffit testing to ASTM E330-02.
- b. Architectural Testing Inc. Test Report No. ATI 55982.03-122-18, dated 4/26/2005 for Kaycan Aluminum Soffit, materials testing to:
 - i. ASTM E8-01, Standard Test Methods for Tension Testing of Metallic Materials

2. Drawing No. KAY5010 & KAY5015

- a. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Aluminum Soffit Product Testing
 - i. Test Report No. 1172.01-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/15/17.
 - ii. Test Report No. 1172.02-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/15/17.

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- iii. Test Report No. 1173.01-106-11, SERIES / MODEL: 9517 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/15/17.
- iv. Test Report No. 1173.02-106-11, SERIES / MODEL: 9517 Vented Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/15/17.
- v. Test Report No. 1174.01-106-11, SERIES / MODEL: 9518 Solid Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/15/17.
- vi. Test Report No. 1174.02-106-11, SERIES / MODEL: 9518 Solid Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/15/17.
- vii. Test Report No. 2283.01-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/28/20.
- viii. Test Report No. 2283.02-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/28/20.
- b. Architectural Testing Inc. Test Report No. ATI 55982.03-122-18, dated 4/26/2005 for Kaycan Aluminum Soffit, materials testing to:
 - i. ASTM E8-01, Standard Test Methods for Tension Testing of Metallic Materials

3. Drawing No. KAY5017

- a. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Aluminum Soffit Product Testing
 - i. Test Report No. 3080.01-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, ASTM E330-14, dated 9/1/21.
- b. Architectural Testing Inc. Test Report No. ATI 55982.03-122-18, dated 4/26/2005 for Kaycan Aluminum Soffit, materials testing to:
 - i. ASTM E8-01, Standard Test Methods for Tension Testing of Metallic Materials

4. Drawing No. KAY5018

- a. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Aluminum Soffit Product Testing
 - i. Test Report No. 29804.01-106-11, SERIES / MODEL: SP-600 Vented Vinyl Soffit, ASTM E330-14, dated 12/12/24.
- b. Architectural Testing Inc. Test Report No. ATI 55982.03-122-18, dated 4/26/2005 for Kaycan Aluminum Soffit, materials testing to:
 - i. ASTM E8-01, Standard Test Methods for Tension Testing of Metallic Materials

Product Installation Instructions:

- Drawing No. KAY5010, Rev. A, dated 2/1/24, by Robert J. Amoruso, P.E., Kaycan Ltd. Aluminum Soffit – Solid and Vented with Unlimited Spans, Installation Anchorage Details.
- Drawing No. KAY5014, Rev. A, dated 2/1/24, by Robert J. Amoruso, P.E., Kaycan Ltd. Aluminum Soffit - Solid and Vented, Installation Anchorage Details.
- Drawing No. KAY5015, Rev. A, dated 2/1/24, by Robert J. Amoruso, P.E., Kaycan Ltd. Aluminum Soffit – Solid and Vented with Single Spans, Installation Anchorage Details.
- Drawing No. KAY5017, Rev. B, dated 12/12/24, by Robert J. Amoruso, P.E., Kaycan Ltd., SP-600 Aluminum Soffit – Vented with Single Spans, Installation Anchorage Details.
- Drawing No. KAY5018, Original Issue, dated 12/10/24, by Robert J. Amoruso, P.E., Kaycan Ltd., SP-600 Aluminum Soffit – Vented with Single Spans, Installation Anchorage Details.

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Product Test Standards:

- ASTM E330-02
- ASTM E330-14
- ASTM E8-01

Engineering Analysis: The following engineering and/or rational analysis/calculations have been performed.

- Anchorage has been verified by calculation prepared by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.
- See Appendix A for Code Conformance Evaluation.
- All installation drawings referenced above depict the soffit installation in a manner that was tested and verified in the aforementioned test reports.

Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product has not been evaluated or tested for impact resistance.
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

Robert J. Amoruso, P.E., does not have, nor will he acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

Robert J. Amoruso, P.E., does not have, nor will he acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed
by Robert J
Amoruso
Date:
2024.12.13
11:00:38 -05'00'

Evaluated by:
Robert J. Amoruso, P.E.
FL P.E. License No. 49752

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Appendix A – Code Conformance Evaluation - Material

- Aluminum soffit tested to 1.5 x Design Pressure.
- Aluminum soffit labeled in accordance with the Florida Building Code.
- Aluminum soffit metal strength tested in accordance with ASTM E8 (not specifically required by the Florida Building Code) as shown below.

Test Standard			ASTM E8-01	
Acceptance Criteria			None - not code required.	
Test Report	Test Report Date	Product		
ATI 55982.03- 122-18	4/26/2005	Aluminum Soffit	Min Fty = 9.86 ksi	Min Ftu =21 ksi