

PRODUCT EVALUATION REPORT	
Project No. ACE-2024-130	Report No. PER-ACE-1114, Rev. 0

Product Description: Vinyl Soffit – Various

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

Code Compliance Statement: This report evaluates the vinyl soffit product(s) listed below to the requirements of FAC Product Approval Rule 61G20-3. This product complies with the requirements of the 8th Edition (2023) Florida Building Code excluding the High Velocity Hurricane Zone (HVHZ).

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

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- KAY0007 – Single Spans
 - 12" TRIPLE 4 SOLID SOFFIT
 - 12" TRIPLE 4 VENTED SOFFIT
 - 12" TRIPLE 4 CENTER-VENT SOFFIT
 - 12" TRIPLE 4 CENTER-O-VENT SOFFIT
 - 12" TRIPLE 4 FULL-O-VENT SOFFIT
 - 10" DOUBLE 5 SOLID SOFFIT
 - 10" DOUBLE 5 VENTED SOFFIT
 - 8" BEADED SOLID SOFFIT
 - 8" BEADED VENTED SOFFIT
- KAY0009 – Unlimited Spans
 - 12" TRIPLE 4 SOLID, NO. 0623 SOLID SOFFIT
 - 12" TRIPLE 4 FULL-O-VENT, NO. 0622 VENTED SOFFIT
 - 12" TRIPLE 4 FULL-O-VENT ECO, NO. 0639 VENTED SOFFIT
- KAY0011 – Single Spans
 - 12" TRIPLE 4 SOLID, NO. 0623 SOLID SOFFIT
 - 12" TRIPLE 4 FULL-O-VENT, NO. 0622 VENTED SOFFIT
 - 12" TRIPLE 4 FULL-O-VENT ECO, NO. 0639 VENTED SOFFIT
- KAY0012 – Unlimited Spans
 - 12" TRIPLE 4 FULL-O-VENT ECO, NO. 0639 VENTED SOFFIT
- KAY0013 – Single Spans
 - 12" TRIPLE 4 FULL-O-VENT ECO, NO. 0639 VENTED SOFFIT
- KAY0017 – Single Spans
 - 12" Triple 4 Solid Soffit
 - 12" Triple 4 Full-O-Vent Eco Vented Soffit

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Product Installation Instructions:

- Amoruso Consulting Engineering LLC, Drawing No. KAY0007, Rev. F, Dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan LTd. Vinyl Soffit - Solid and Vented, Installation Anchorage Details.
- Amoruso Consulting Engineering LLC, Drawing No. KAY0009, Rev. D, Dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan LTd. Vinyl Soffit – Various Solid and Vented with Unlimited Spans, Installation Anchorage Details.
- Amoruso Consulting Engineering LLC, Drawing No. KAY0011, Rev. D, Dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan LTd. Vinyl Soffit – Solid and Vented with Single Spans, Installation Anchorage Details.
- Amoruso Consulting Engineering LLC, Drawing No. KAY0012, Rev. D, Dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan LTd. Vinyl Soffit - 12" Triple 4 Full-O-Vent Eco (No. 0639) with Unlimited Spans, Installation Anchorage Details.
- Amoruso Consulting Engineering LLC, Drawing No. KAY0013, Rev. D, Dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan LTd. Vinyl Soffit - 12" Triple 4 Full-O-Vent Eco (No. 0639) with Single Spans, Installation Anchorage Details.
- Amoruso Consulting Engineering LLC, Drawing No. KAY0017, Rev. A, dated 11/7/24, by Robert J. Amoruso, P.E., Kaycan Ltd., 12" Triple 4 Solid Soffit and 12" Triple 4 Full-O-Vent Eco Vented Soffit with Single Spans, Installation Anchorage Details.

Test Reports and Performance Testing Standards Used:

1. KAY0007

- a. Fenestration Testing Laboratory, Inc. Testing Report No. 7367, dated 6/1/13 including associated laboratory stamped drawings for Kaycan Vinyl Soffit testing to ASTM E330-02.
- b. Architectural Testing Inc. Test Report No. ATI 55983.01-106-18, dated 1/3/2006 for Kaycan Vinyl Soffit and Siding, materials testing to:
 - i. ASTM D3679-01c, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
 - ii. ASTM G155-00ae1, Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
 - iii. ASTM D638-03, Standard Test Method for Tensile Properties of Plastics
 - iv. ASTM D2843-99, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics
 - v. ASTM D1929-96 (2000)e0 1, Standard Test Method for Determining Ignition Temperature of Plastics
 - vi. ASTM D635-98, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position

2. KAY0009, KAY0011, KAY0012 & KAY0013

- a. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Vinyl Soffit Product Testing
 - i. Test Report No. 1169.01-106-11, SERIES / MODEL: 0623 Solid Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/13/17

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- ii. Test Report No. 1169.02-106-11, SERIES / MODEL: 0623 Solid Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/13/17
- iii. Test Report No. 1170.01-106-11, SERIES / MODEL: 0622 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 2/13/17
- iv. Test Report No. 1170.02-106-11, SERIES / MODEL: 0622 Vented Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 2/13/17
- v. Test Report No. 29563.02-106-11, SERIES / MODEL: 0639 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 10/21/24
- vi. Test Report No. 29563.01-106-11, SERIES / MODEL: 0639 Vented Vinyl Soffit, "J" Channel / "J" Channel Installation, ASTM E330-14, dated 10/21/24
- vii. Test Report No. 29563.03-106-11, SERIES / MODEL: 0639 Vented Vinyl Soffit, "J" Channel / Fascia Installation, ASTM E330-14, dated 10/21/24
- b. Architectural Testing Inc. Test Report No. ATI 55983.01-106-18, dated 1/3/2006 for Kaycan Vinyl Soffit and Siding, materials testing to:
 - i. ASTM D3679-01c, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
 - ii. ASTM G155-00ae1, Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
 - iii. ASTM D638-03, Standard Test Method for Tensile Properties of Plastics
 - iv. ASTM D2843-99, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics
 - v. ASTM D1929-96 (2000)e0 1, Standard Test Method for Determining Ignition Temperature of Plastics
 - vi. ASTM D635-98, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position

3. KAY0017

- a. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Vinyl Soffit Product Testing, Test Report No. 2875.02-106-11, 12" Triple 4 Solid Soffit, ASTM E330-14, dated 4/13/21.
- b. Molimo Architectural Product Testing, 1410 Eden Road, York, Pennsylvania 17402 – Vinyl Soffit Product Testing, Test Report No. 29564.01-106-11, 12" Triple 4 Full-O-Vent Eco Vented Soffit, ASTM E330-14, dated 10/22/24.
- c. Architectural Testing Inc. Test Report No. ATI 55983.01-106-18, dated 1/3/2006 for Kaycan Vinyl Soffit and Siding, materials testing to:
 - i. ASTM D3679-01c, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
 - ii. ASTM G155-00ae1, Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
 - iii. ASTM D638-03, Standard Test Method for Tensile Properties of Plastics
 - iv. ASTM D2843-99, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics
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Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- 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
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Evaluated by:
Robert J. Amoruso, P.E.
FL P.E. License No. 49752