

Pei Evaluation Service® is an accredited ISO Standard 17065 Product Certifier, accredited by the IAS. This **Product Evaluation Report** represents a product that **Pei ES** has Evaluated. This product has a Product Evaluation Service Agreement & Follow-up Inspection Service Agreement. This **Product Evaluation Report** in no way implies warranty for this product or relieves **Homeland Vinyl Products, Inc.** of their liabilities for this product. This **PER** is an official document if it is within one year of the initial or re-approval date.

Initial Approval
June, 2018

Re-Approved
June, 2019

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Report Owner

Homeland Vinyl Products, Inc.
3300 Pinson Valley Parkway
Birmingham, AL 35217

Approved Manufacturing Location

Homeland Vinyl Products, Inc.
3300 Pinson Valley Parkway
Birmingham, AL 35217

Product

Gorilla Deck® G3

Evaluation Report Information

Homeland Vinyl Products Contact: Don DiScipio
Phone: 205-854-4330

General Details

This evaluation report covers the **Gorilla Deck® G3** decking board. The plant location shown above has an approved Quality Control Manual to manufacture the product. Homeland Vinyl Products, Inc. has a Product Evaluation Service Agreement with **Pei Evaluation Service® (Pei ES)** and a Follow-up Inspection Service Agreement with **Progressive Engineering Inc. (Pei)**. The plant location shown above shall be audited quarterly by **Pei**.

Product Description

The **Gorilla Deck® G3** decking boards are manufactured with a four chamber hollow co-extruded rigid polyvinyl chloride (PVC) profile. The deck boards are manufactured with a continuous screw flange running the length of the board for attachment and utilize an interlocking system. The interlocking flange of the board has raised ribs running parallel the length of the board, which interlock when boards are connected. See Figure 1 for the **Gorilla Deck® G3** profile. The boards are intended for exterior use as a walking deck plank and used in conjunction with a starter strip, splice trim and edge trim components. Deck boards are available in lengths of 16-ft, 20-ft and 24-ft and measure a nominal size of 1-1/4-in thickness x 6-in wide. Available colors can be seen in Table 1 and Figure 6 of this evaluation report.

General Product Use

1. The **Gorilla Deck® G3** boards shall be installed in accordance with Homeland Vinyl Products Installation Instructions.
2. All Construction, wood framing, beams, joist, stringers and associated connections needed to support the **Gorilla Deck® G3** boards are outside the scope of this **PER**. All construction shall follow applicable codes and are subject to approval by the building official.
3. Deck boards are intended for exterior use applications on structures regulated by the 2012 and 2015 IRC or Type VB construction in accordance with the 2012 and 2015 IBC. In cases where sprinkler protection is extended into the decking area, deck boards may also be installed on buildings of Type III and IV construction in accordance with 2012 and 2015 IBC Section 1406.3.
4. The **Gorilla Deck® G3** boards have been evaluated to the design rating and requirements of Table 1 of this evaluation report.

Code and Standard Compliance

International Residential Code®			International Building Code®		
2012	2015	2018	2012	2015	2018
Section R507.3	Section R507.3	Section R507.2	Section 104.11 Table 1607.1	Section 104.11 Table 1607.1 Table 2612	Section 104.11 Table 1607.1 Table 2612

Meets 2006 Ontario Building Code as defined in Division A Section 2.2 Table 2.2.1.1 Category 0S2.

ICC-ES AC 174 (2004, 2009, 2012) - Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)

ASTM D7032 - Standard Specification for Establishing Performance Ratings for Wood, Plastic Composite Deck Boards and Guardrail Systems (Guard or Rails)

AAMA 306-01 - PVC Exterior Plank Profiles Used for Decking and Dock Walking Surfaces

ASTM E84-03 - Test Methods for Surface Burning Characteristics of Building Materials
Flame Spread Index: 15 and Smoke Developed Index: 885

ASTM D2394-05 - Standard Test Method for Simulated Service Testing of Wood and Wood-Base Finish Flooring

Table 1 - Gorilla Deck® G3 Design Span and Wind Uplift Rating

Approved Colors	Fastener System	Maximum Stair Tread Span ¹	Maximum Deck Board Span	Deck Board Load Rating (psf)	Design Wind Uplift ² (psf)
White	#8 x 1-1/2-in Stainless Steel Pan-Head Screw at each joist support	12"	24"	100	44
Tan					
Adobe					
Mocha Walnut					

Notes:

1. A minimum two-span condition is required when deck boards are installed for a stair tread application
2. Design Wind Uplift is based on a tested value with a 3.0 factor of safety

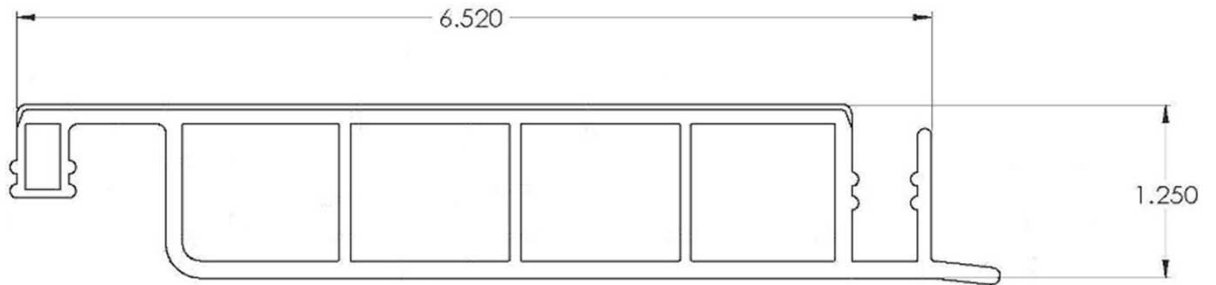


Figure 1 - Gorilla Deck® G3 Profile

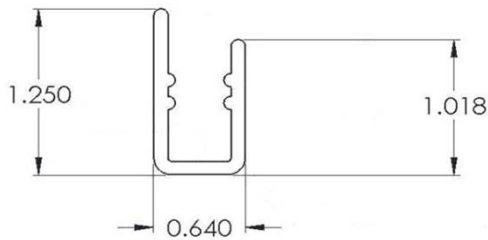


Figure 2 - Starter Strip Profile

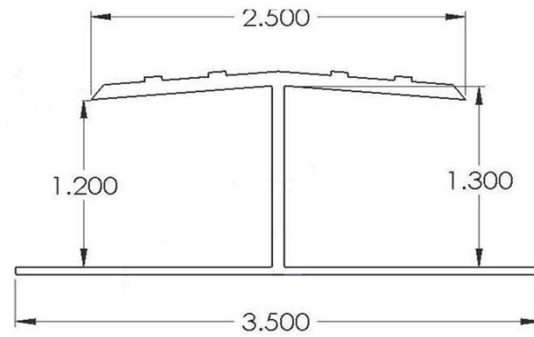


Figure 3 - Splice Trim Profile

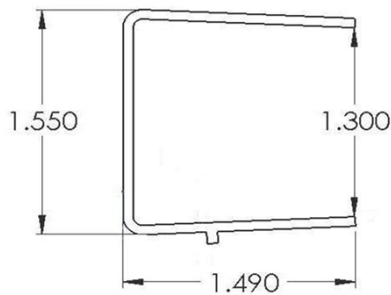


Figure 4 - Finish Trim Profile

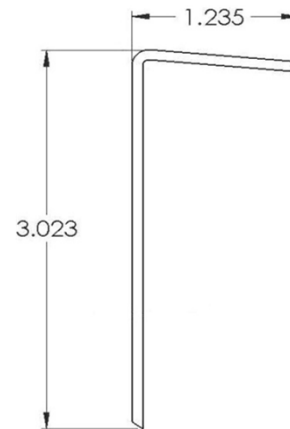


Figure 5 - Fascia Trim Profile



Figure 6 - Approval Colors



**Figure 7 - Typical Phillips Pan-Head Self-Drilling
Stainless Steel Screw**



**Figure 8 - Typical Square Pan-Head Self-Drilling
Stainless Steel Screw**

Product Labeling

Each deck board shipment, that is covered by this **Product Evaluation Report**, must have a label attached with at least the following information:

1. Homeland Vinyl Products, Inc. Name and Address
2. Product Name
3. Plant Identifier and Date Code
4. This **PER** Number and *Pei* **ES** Logo

Acceptable Evaluation Marks



Product Documentation

A Product Evaluation Service Agreement between *Pei* **Evaluation Service** and Homeland Vinyl Products, Inc.

A Follow-up Inspection Service Agreement between *Progressive Engineering Inc.* and Homeland Vinyl Products, Inc.

A Homeland Vinyl Products, Inc. Quality Control Manual - Dated: 5/30/2019

Gorilla Deck® G3 Installation Guidelines - Dated: 7/10/2018

SDS for Extruded PVC Profiles - Dated: 5/15/2015

Structural Opinion Letter - Dated: 5/9/2011

Test Report No. 53597.01-119-19 - Performance Test Report for Gorilla Deck in accordance with ICC-ES AC174 (2004) and AAMA 306-01 - Dated: 6/13/2005

Test Report No. 85730.05-119-19 - Performance Test Report for Gorilla Deck PVC Deck Boards in accordance with ICC-ES AC174 (2009) - Revised: 9/22/2009

Test Report No. 92221.01-119-19 - Performance Test Report for Gorilla Deck Hollow Vinyl Deck Board in accordance with ASTM D2394-05 - Dated: 8/13/2009

Test Report No. C0270.01-119-19 - Performance Test Report for Alternate Product Color (Mocha Walnut) for the Gorilla Deck Deck Boards, PVC "T" Rail and Rectangular Guardrail Systems in accordance with ICC-ES AC174 (2012) - Revised: 1/21/2013

Test Report No. C1530.01-119-19 - Performance Test Report for Gorilla Deck, G3 Deck Boards, PVC Deck Boards in accordance with ICC-ES AC174 (2012) - Dated: 3/7/2013

Test Report No. 01.10932.01.138b - Performance Report for Exterior Walking Deck Plank in accordance with ASTM E84-03 - Dated: 5/6/2005