



ICC PEI, LLC is an accredited **ISO Standard 17065** Product Certifier. This **Product Evaluation Report** represents a product that **ICC PEI** 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
August, 2021

Re-Approved

See all Reports at: www.p-e-i.com

Report Owner

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

Approved Manufacturing Location

Homeland Vinyl Products, Inc.
140 Industrial Drive
Surgoinsville, TN 378773

Product

Gorilla Wood Deck Board

Evaluation Report Information

Homeland Vinyl Products Contact: **Aaron Waldrop**
Phone: 205-854-4330

General Details

This evaluation report covers the **Gorilla Wood Deck Board**. The manufacturing plant location shown above has an approved Quality Control Manual to manufacture the product. Homeland Vinyl Products, Inc. has a Product Evaluation Service Agreement and a Follow-up Inspection Service Agreement with **ICC PEI, LLC**. The plant location shown above will be audited periodically by **ICC PEI**.

Product Description

Gorilla Wood Deck Board is a solid cellular foam polymer core with four sided co-extruded Acrylonitrile Styrene Acrylate (ASA) cap stock. The top of the deck board has a wood grain pattern embossing. Deck boards are available in lengths of 16-ft, 20-ft and 24-ft and have a cross sectional size of 1" thick x 5-1/2" wide. See Figure 1 for the **Gorilla Wood Deck Board** profile. The boards are for exterior use only as a walking deck plank. Available colors can be seen in Figure 4 of this evaluation report. The deck boards are fastened to wood framing using face screws or angled edge screws. The deck boards are to be installed perpendicular to 16" O.C. framing and maybe installed up to 45 deg. angle on 12" O.C. framing.

General Product Use

1. The **Gorilla Wood Deck Board** shall be installed in accordance with Homeland Vinyl Products Installation Instructions.
2. The Angled Edge screws must be installed using the installation tool provided by the screw manufacturer.
3. All Construction, wood framing, beams, joist, stringers and associated connections needed to support the **Gorilla Wood Deck Board** are outside the scope of this **PER**. All construction shall follow applicable building codes and are subject to approval by building officials.
4. **Gorilla Wood Deck Board** is intended for exterior use applications on structures regulated by the 2012, 2015 & 2018 IRC or Type VB construction in accordance with the 2012, 2015 & 2018 IBC. Deck boards may be used on balconies and similar projections on buildings of Type III IV and V construction where fire sprinkler protection is extended into these areas in accordance with 2012, 2015, 2018 & 2021 IBC Section 1406.3, Exception 3 or 2018 IBC 705.2.3.1, Exception 3
5. The **Gorilla Wood Deck Board** has 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	2021	2012	2015 & 2018	2021
Section R507.3	Section R507.2	Section R507.2	Section 104.11 Table 1607.1	Section 104.11 Table 1607.1 Section 2612	Section 2612 Table 1607.1

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: 75 and Smoke Developed Index: 1,100

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

Table 1 - Gorilla Wood Deck Design Span and Wind Uplift Rating

Deck Board	Fastening Screws	Fastener Orientation	Maximum Stair Tread Span ¹	Maximum Deck Board Span	Deck Board Load Rating (psf)	Design Wind Uplift ^{2, 4} @ 16"o.c. Framing	Design Wind Uplift ^{2, 5} @ 12"o.c. Framing
1" x 5-1/2" Gorilla Wood Deck Board	#10x2-3/4" CAP-TOR xd Epoxy coated	Face screwed	12"	16"	100	490 psf	460 psf
	#9x2-1/2" Gripe Rite type 17 point star drive	Face screwed	----	16"	100	500 psf	470 psf
	#9x2-1/2" Kameleon GRK	Face screwed	----	16"	100	510 psf	480 psf
	#7x2-3/8" CAMO Edge see note 3	Angled Edge screwed	----	16"	100	510 psf	480 psf

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.
3. Angled Edge screws installed using installation tool provided by screw manufacturer.
4. Uplift value is based on decking installed perpendicular to framing.
5. Uplift value is based on decking installed perpendicular to framing and up to a 45 deg. Angle.

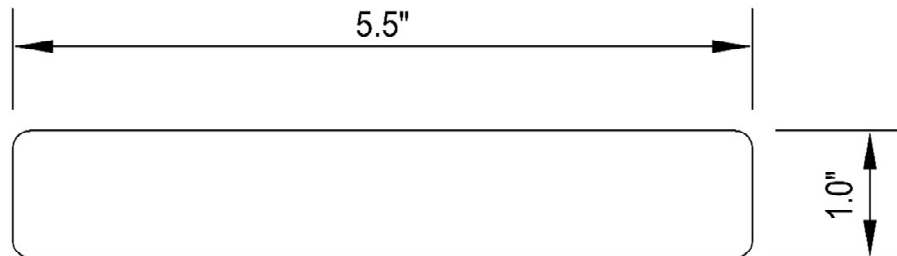


Figure 1 - Gorilla Wood Profile

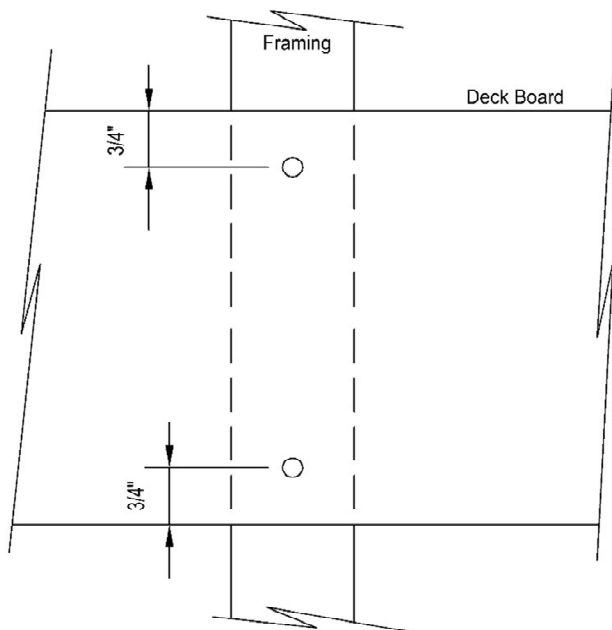


Figure 2 - Face Fastening

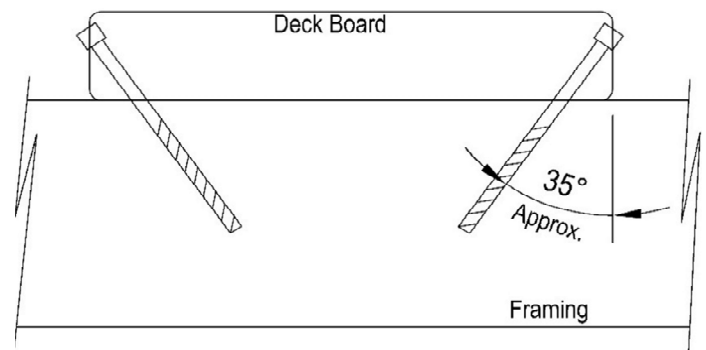


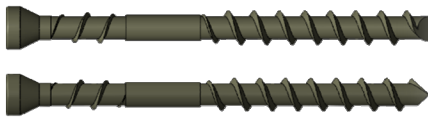
Figure 3 - Angled Edge Fastening



Grip Rite #9x2-1/2" Deck Screw



Kameleon GRK Deck Screw



CAMO Angled Edge Deck Screw



Starborn Deckfast CAP-TOR xd Screw



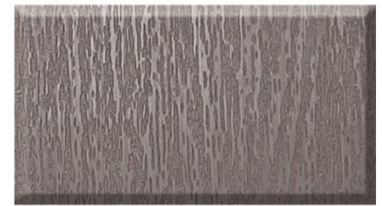
Light Gray



Dark Gray



Adobe



Chestnut

Figure 4 - Approval Colors

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 ICC PEI 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: 7/14/2021
Gorilla Wood Deck Board Installation Guide - Dated: 1/29/2021, Rev B
 ASA Technical Datasheet - Rev. dated: 5/28/2020
 Test Report No. 2020-6299 - ASTM D7032 Evaluation of Gorilla Wood Deck Board, Dated: 5/5/2021
 Test Report No. 104568771SAT-001 - ASTM E84