26GA (MIN) 5V CRIMP OVER 15/32” (MIN) PLYWOOD

FL 38763.01 R2 | HVHZ

10877 NW 33RD ST | DORAL, FL 33172

786-349-4009

Product Description:

5V Crimp style exposed fastener panel with 24” max coverage and nominal rib height of 3/8”

Product Material:

26ga (min) steel Corrosion resistant per FBC 1507.4.3 where required

Fastener:

#10 x 1.5” fastener with sealing washer Compliant with FBC 1506.6 where required.

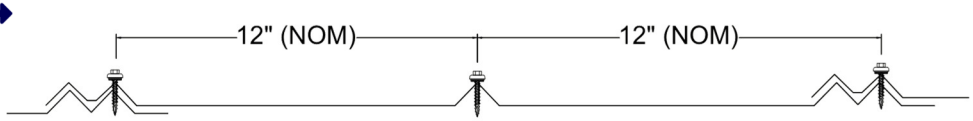
Substrate/Deck:

15/32” (min) plywood or 3/4” (min) thick wood plank (min S.G. of 0.42)

Maximum Allowable Loads & Installation Requirements:

Method A: #10 x 1.5” fasteners in 12”-12” pattern at **12**” o.c.: 104.75 PSF
Method B: #10 x 1.5” fasteners in 12”-12” pattern at **6**” o.c.: 168.5 PSF
A factor of safety of 2 has been applied.

METHOD A: 12" O.C. METHOD B: 6" O.C.



Evaluated by:

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FL PE 81377 | FL CA 33344 | www.TimberLakeCove.com

Digitally signed by David E Eng
Date: 2023.08.24 09:07:18-04'00'

This item has been digitally signed and sealed by D.E. Eng, PE, on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

DAVID E. ENG
LICENSE
No. 81377
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Underlayment: Comply with local building code or FBC 1507.1.1/1518.2 where required.

Slope: Comply with local building code or FBC 1507.4.2/FBC 1515.2 where required.

Re-Roofing: This panel may be installed over a single layer of existing shingles as permitted by local building code or FBC 1511/1521, provided the existing roof meets the conditions required by the applicable code.

Fire Barrier: Comply with FBC 1516.1 and 1516.2 where required.

Technical Documentation:
This product has been tested to the following standards by Intertek Testing (TST 1527):

- TAS 125 & UL580/UL1897: report L2070.01-450-18 R0
- TAS 100: report L2072.02-450-18 R0

Compliance Statement:
This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (non-HVHZ) and 1518.9.1/1523.6.5.2.4 (HVHZ), as required by FL Rule 61G20-3, method 1D; subject to the exclusions/limitations noted below.

Design Process:
The load tables in this report provides one prescriptive option for the fastening requirement for the applicable wind loads for roofs within the parameters described. For roofs outside of the listed parameters, design wind loads shall be determined as required by FBC 1609, ASCE 7, or other design code in force, using allowable stress. These load tables are based on ASCE 7-22. Use of these tables assumes that the structure is:

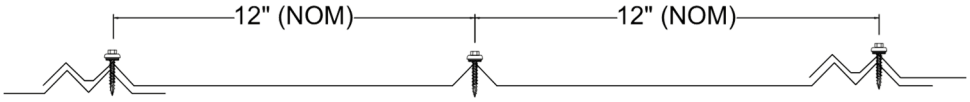
- Enclosed and conforms to wind-borne debris provisions and is a regular shaped building
- Is not subject to across-wind loading, vortex shedding, or instability; nor does it have a site location for which channeling or buffeting warrant consideration

Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

Certification of Independence:
David Eng, PE and Timberlake Cove, LLC do not have, nor will they acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will they acquire, a financial interest in any other entity involved in the approval or testing process of the product.

Exclusions and Limitations:
Design of deck and roof structure (to include deck attachment) shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. Accelerated weathering/salt spray is outside the scope of this evaluation. Static water leakage is outside the scope of this evaluation.
This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product.

METHOD A: 12" O.C. METHOD B: 6" O.C.



OPTIONAL ENGINEERING LOAD TABLES

Instructions:

Select the appropriate load table that applies to the structure in question.
Determine the design wind speed for the project location.
Use the attachment method indicated for that windspeed within each roof zone.

These load tables are provided as a courtesy to provide one possible prescriptive option for a generic, typical structure without calculating the design pressures. For structures outside the parameters of these load tables (e.g. height above 30 feet), calculate the required allowable design pressure and compare to the maximum allowable loads shown on page 2. These load tables shall not be construed to in any way limit the installation of this product to the cases shown. Contact the manufacturer for further information, or consult a licensed design professional.

Application:

There are conservative assumptions used in combining scenarios for these load tables for cases when the required design load is unknown. The maximum allowable loads for this product are shown on page 1 of this approval. If the required allowable design loads are known, and the required design loads are less than the allowable load of the product, then the product is sufficient for use, and these load tables can be ignored.
If the required design loads are NOT known, then the appropriate load table here may be used.

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Have either a **flat roof, or gable/hip roof** with **max slope of 45°**
Have a mean Roof Height of **30 feet or less**

FL38763.01: 26ga 5V Crimp on 15/32" plywood

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	A	A	A
Zone 2:	A	A	A	A	A	A	A	A	A	A	B
Zone 3:	A	A	A	A	A	A	A	A	B	B	B

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Have either a **flat roof less than 7°, hip roof** with
max slope of 45°, or gable roof with slope between 20° and 45°
Have a mean Roof Height of **30 feet or less**

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Zone 1:	A	A	A	A	A	A	A	A	A	A	A
Zone 2:	A	A	A	A	A	A	A	A	A	A	A
Zone 3:	A	A	A	A	A	A	A	A	A	B	B

Use this load table for structures which meet the following criteria:
Are located in **B, C, or D exposure** area
Have either **a flat roof, or gable/hip roof** with **max slope of 45°**
Have a mean Roof Height of **30 feet or less**

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Zone 2:	A	A	A	A	A	A	B	B	B	B	NR
Zone 3:	A	A	A	A	B	B	B	B	NR	NR	NR

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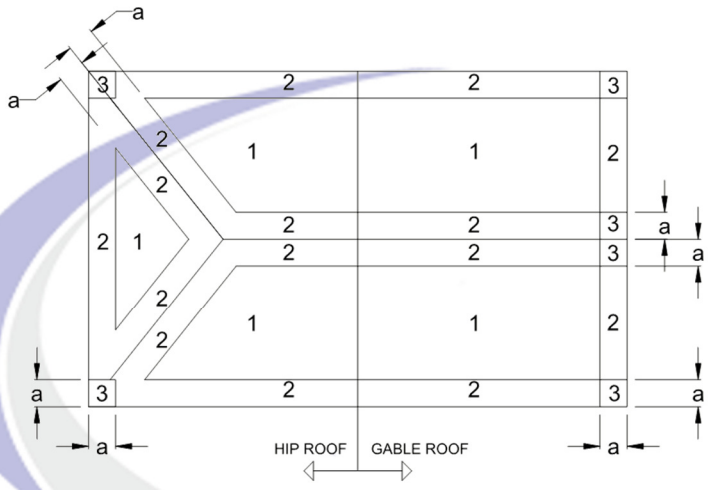
Zone 3:	A	A	A	A	A	B	B	B	B	NR	NR



a: 10% OF LEAST HOIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3FT (0.9M). OR AS DETERMINED BY DESIGN OR OTHER APPLICABLE CODE.

ROOF ZONES FOR GENERIC BUILDING