

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: BARREL STEP TILE SERIES 24 Ga STEEL ROOF PANEL

MANUFACTURER: EVERLAST METAL TILE ROOF, LLC.
912/914 ANGLE ROAD
FT. PIERCE, FL 34947

To all concerned,

The Everlast 24 Ga. Steel Barrel Step Tile Series Roof Panel, manufactured by Everlast Metal Tile Roof LLC, is a non-structural steel roof panel (50 ksi min) that meets the requirements of Sections 1507.4 and 1518.9 of the 8th Edition (2023) Florida Building Code. The panel has been tested per TAS 100 and TAS 125 by Intertek B&C, with results shown in test reports M7255.01-450-18 R1 and M7255.03-450-18. It has also been tested per TAS 110 by BASF (ASTM B117 and G154).

Technical Documentation:

1. Drawing "EBST-HZ" dated 4/12/24 (Rev. 1), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C, signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support EBST-HZ, signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 8th Edition (2023) Florida Building Code generally, and chapter 15 specifically, including the HVHZ provisions.

Limitations: This roof panel is approved for use inside and outside of the HVHZ.

<u>Overall Limitations:</u>	Maximum Panel Width:	38 1/2" (Nominal)
	Maximum Design Pressure:	-86 psf.
	Fastener Spacing (Across Panel):	9 5/8" - 19 1/4" - 9 5/8"
	Fastener Spacing (Along Panel):	3" from ends, 12 1/4" max O.C.
	Min. Fasteners:	#10 x 2 1/2" HWH Screws with Weather-Seal Washers
	Min. Roof Slope:	2:12 (HVHZ) 1/2:12 (Non-HVHZ)

Fire Barrier:
(where required)

Where required by code, install an approved fire barrier. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. (See note #2 below)

Underlayment:

Mineral Surfaced Peel and Stick Self-Adhered Underlayment, installed per FBC Section 1507.1.1.1. (MINIMUM)

Minimum Substrate:


1/2' (15/32" min) CDX Plywood, nailed to 2x rafters spaced 24" max. O.C. with 8d ring-shank nails spaced 6" O.C.

Other Limitations:

1. Roof slope must meet requirements of FBC Section 1507.4.2.
2. Flashing and trim to be installed per Manufacturer's standard Installation details and to meet FBC Section 1503.
3. Fire classification is not a part of this evaluation.
4. Shear diaphragm values are not a part of this evaluation.
5. Design of substrate is by others and is not a part of this evaluation.

If you have any questions or need more information concerning this approval please contact me.

Thank you,


Scott Wolters
FL PE# 62354
APR 12 2024

