

Evaluation Report – Coastal Rib Aluminum Battens
January 9, 2024

Product Description: Coastal Rib 3' Coverage 0.032" 3003-H14 Aluminum Non-Structural Roof Panel, Applied Over 1x4 SYP Battens over Roof Deck

Manufacturer: Deep South Metals, LLC, 106 Masters Road, East Palatka, FL, 32131

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 8th Edition (2023) Florida Building Code generally and section 1504 specifically, for use outside the High Velocity Hurricane Zone. This Approval does not address fire performance. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing FPA-CoastalRibAlumBat, signed and sealed by Lucas A. Turner, P.E
- 3) Test Report P5100.03-450-44-r0, from Intertek, West Palm Beach, FL
 - a. Testing Performed with equivalency to: UL1897-15, ASTM E 1592-17

Installation: Units must be installed according to approval document FPA-CoastRibSteelBat, with installation fasteners in 8" pattern at perimeter (parallel to ribs), and 24" max on-center in the field, with anchors located across panels perpendicular to ribs, at each side of each rib and seam. Anchors must be installed into Southern Yellow Pine 1x4 battens by others. Battens must run perpendicular to ribs, over roof deck by others, with maximum batten spacing of 24" on center, and around perimeter. Roof deck to be 15/32 min. 4-ply CDX plywood by others or other rated/approved wood structural panel constructions which meet or exceed the fastener holding strength of the as-tested CDX plywood. Battens to be fastened to roof deck with #8 x 3" wood screws 12" on center in two staggered rows. Design/ review of roofing structural supports and roof deck are by others and not part of this evaluation. Fasteners through metal roofing into battens shall be #10x1-1/2" WoodZip SCAMP SSC with EPDM gasket or approved equivalent (min. ult. pullout of 999 lbs in 1x SYP). Fastening schedule is the same when installing over one layer of existing asphalt shingles or with roof underlayment in compliance with FBC section 1507 (existing roof or underlayment are by others). Fastener coating shall be in accordance with FBC Sect. 1507.4.4.

Limitations of Use: This product:

- Requires minimum slope of 2:12 in accordance with FBC Sects. 1504.6, 1504.7, and 1507.4.2. Slopes of less than 3:12 require lap sealant at all overlaps.
- May be used up to 36" panel widths as indicated in FPA-CoastalRibAlumBat
- Was structurally tested to -318 psf load; with factor of safety and panel/anchor analysis this results in an allowable Design Pressure of -159 psf at 24" batten spacing
- Is non-impact and may not be used in the High Velocity Hurricane Zone

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Deep South Metals or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



Lucas Turner
2024.01.09
17:11:05 -06'00'

1/9/2024
Lucas A. Turner, P.E.
FL PE #58201