

Evaluation Report – Coastal Rib Aluminum Plywood
January 9, 2024

Product Description: Coastal Rib 3' Coverage 0.032" 3003-H14 Aluminum Non-Structural Roof Panel, Applied Over Plywood

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:

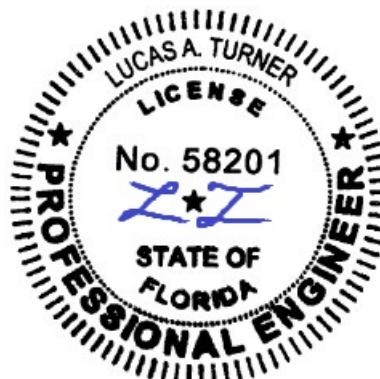
- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing FPA-CoastRibAlumPly, signed and sealed by Lucas A. Turner, P.E
- 3) Test Report P5100.04-450-44-r0, from Intertek, West Palm Beach, FL
 - a. Testing Performed: UL1897-15

Installation: Units must be installed according to approval document FPA-CoastRibAlumPly, 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 15/32 min. 4-ply CDX plywood by others or other rated/approved wood structural panel roof deck constructions which meet or exceed the fastener holding strength of the as-tested CDX plywood. Design/review of roof structural supports and roof deck are by others and not part of this evaluation. Fasteners through metal roofing into roof deck shall be #10x1-1/2" WoodZip SCAMP SSC with EPDM gasket or approved equivalent (min. ult. pullout of 412 lbs in 1/2" nominal plywood). 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-CoastRibAlumPly
- Was structurally tested to -180 psf load; with factor of safety this results in an allowable Design Pressure of -90 psf at 24" max. anchor row 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
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1/9/2024
Lucas A. Turner, P.E.
FL PE #58201