



Guardian MS1 FL 47728.02 R0 HVHZ

Superb Metals | 902 Jan Mar Ct, Suite A, Minneola, FL. 34715 | 352-432-3047 |
<https://superbmetals.com/>

Product: Mechanical seamed panel with nominal rib height of 1.0" and max panel width of 17". Panel seamed to 180°. Miniribs and/or striations optional.

Material: Nominally 0.032" aluminum or thicker.

Fastener: #12 x 1" low profile style fastener, (2) per clip. Compliant with FBC 1506.6 where required.

Clip: 1-1/8" high x 2" long clip from 26ga steel. Compliant with FBC 1506.7 where required.

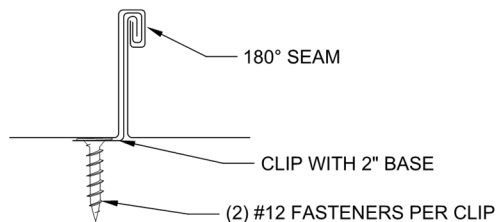
Substrate/Deck: Minimum 15/32" thick plywood.

Max. Allowable Loads & Installation Requirements:

Method A: 82.25 psf | (2) #12 fasteners per clip and clips at 24" o.c. with panel seamed to 180°.

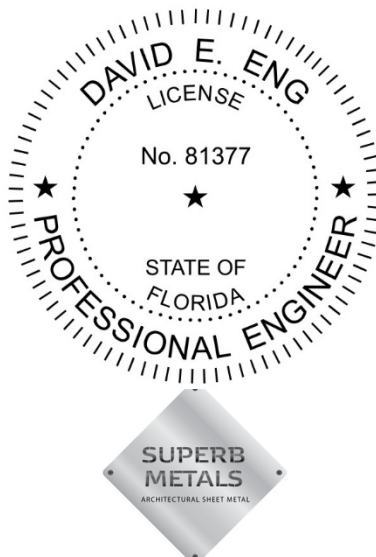
Method B: 123.5 psf | (2) #12 fasteners per clip and clips at 12" o.c. with panel seamed to 180°.

Factor of Safety of 2.0 applied to calculate allowable loads.



CLIP SPACING:
METHOD A: 24"
METHOD B: 12"

Evaluated by David Eng, PE
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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

Underlayment: Install over self-adhering underlayment. Comply with FBC 1507.1.1/1518.2 where applicable.

Slope: Comply with FBC 1507.4.2/1515.2 where required.

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

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.

Technical Documentation: This product has been tested to the TAS 125/UL 580 standard by Intertek Testing (TST-1527), reports S4651.01-450-18 R1 and S4651.05-450-18 R0. This product has also been tested to TAS 100 by Intertek, report S4561.07-450-18 R0.

Design Process: Compare the maximum allowable loads to the ASD uplift pressures for the project to determine sufficiency and installation requirements. 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 acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Exclusions and Limitations: Design of deck and roof structure (to include attachment of plywood or wood plank) 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.

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. Installation shall be subject to the local building code and authority having jurisdiction; this report shall not be construed to supersede local codes in force.

