

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION RC-392

Effective October 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation in **July 2017**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Minimum 24 Gauge SuperLok Metal Roofing Panels Over Steel Purlins manufactured by

Metal Building Components, Inc. (MBCI), L.P., a division of NCI, L.P.
14031 West Hardy
Houston, Texas 77060
(281) 445-8555

will be accepted for use in areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The SuperLok metal roofing panel is a mechanically seamed panel. The panels are minimum 24 gauge, 50 ksi, coated steel. The metal roof panels are 16" wide with a 2" rib height.

LIMITATIONS

Roof Framing: The metal roofing panels shall be installed over open steel purlins.

New Roof Framing Attachment: The roof framing shall meet or exceed the uplift requirements of the International Residential Code or International Building Code and shall be installed as required for resistance to wind loads.

Design Wind Pressures: The design pressure uplift load resistance shall be as specified in Table 1.

Roof Slope: The panels shall not be installed on roofs with a roof slope less than $\frac{1}{2}$:12.

Installation Over an Existing Roof Covering: Not permitted.

Table 1
Attachment of Minimum 24 gauge SuperLok Metal Roofing
Panels to Steel Purlins

Design Wind Pressure (psf)	Purlins	Panel Clip	Clip Spacing	Clip Fastener
-47.5	Minimum 16 gauge; 5'-0" on center	Low Floating Clip	5'-0" o.c.	SFS #12-14 x 1 ¼" HWH SD #2 screws; 2 per clip
-131.5	Minimum 16 gauge; 1'-0" on center	Low Floating Clip	1'-0" o.c.	SFS #12-14 x 1 ¼" HWH SD #2 screws; 2 per clip

INSTALLATION INSTRUCTIONS

General: The metal roofing panels shall be installed in accordance with the manufacturer's recommended installation instructions and this evaluation report.

Steel Purlins: The minimum thickness of the steel and maximum spacing of the purlins shall be as specified in Table 1.

Underlayment: NA.

Attachment of Metal Roofing Panels to the Steel Purlins: The panels shall be secured to the steel purlins using a MBCI low floating clip with two (2) #12-14 x 1 ¼" HWH SD #2 by SFS. The clip spacing shall be as specified in Table 1. The fasteners shall be long enough to ensure a minimum penetration of 3 pitches below the steel purlin.

Panel Ends, End Laps and Edges: The panel ends, end laps and edges shall be secured in accordance with the manufacturer's installation instructions.

Trims, Closures, and Accessories: Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim shall be installed as required by the manufacturer.

Note: The manufacturer's installation instructions shall be available on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.