NRM-1000 PANELS • Narrow Rib Clip System

NRM-1000 is an architectural metal roofing system available exclusively from Nu-Ray Metal Products. It is intended for applications over a solid substrate with a minimum 3:12 roof pitch. Typical substrates include plywood, nailboard insulation or equivalent. Panels are factory roll-formed in continuous lengths. Standard panel length is 2’ 6” to 44’ 0”. For longer lengths, please check with Nu-Ray Customer Service.

NRM-1000 roof panels feature a concealed attachment clip system to allow thermal movement as panels expand and contract with temperature changes. With its custom design, the clip insures an extra-snug fit. The one-piece design of the NRM-1000 clip makes installation easy.

FASTENERS
For roofing applications, use wood-type screws fastened on 18” centers. Other screw types are available applications over structural steel and steel decking.

TRIM
All flashing and trim shall be fabricated by Nu-Ray Metals or a qualified fabricator. Flashings for this panel are 26 or 24 gauge steel.

INSTALLATION
For roofing applications, Nu-Ray’s snap-lock panels shall be installed over solid decking (3/8” plywood, nailboard insulation or equivalent) with an underlayment of 30# (minimum) roofing felt applied horizontally from eave to ridge. Panels shall be fastened via attachment clip spaced on 24” centers (maximum). For wider clip spacing, please check with Nu-Ray Customer Service.

HANDLING
Vinyl masking is provided on all steel sheet to help protect materials where extra handling is expected.

WARRANTY
A 40-year non-prorated finish warranty can be supplied covering finish performance.
NRM-1000 Concealed Fastener Panel

**NRM-1000 FEATURES**
- Excellent panel for architectural, commercial and industrial roof applications
- Narrow rib design
- Great load and span capacities
- Apply over open framing or solid substrates
- Long-length crating available
- Minimum 3:12 roof pitch
- UL 580 Class 90 Rated and Listed

**PANEL DEPTH:** 1½”

**PANEL WIDTHS:** 12”, 16” or 20”

**PANEL LENGTHS:** 2’6” to 44’0” standard; check with Nu-Ray Customer Service for longer lengths.

**METAL OPTIONS**
- 24 and 26 gauge G90 or AZ50 steel
- .032 and .040 aluminum
- 16 oz. or 20 oz. natural copper

**SURFACE OPTIONS**
- Smooth/flat
- Two pencil ribs
- Striations

**FINISHES**
- D2 Kynar 500® ULTRA-Cool™
- D2 Kynar 500® with Ocean Guard ULTRA-Cool™
- Zincalume Plus*
- Standard Kynar 500® ULTRA-Cool™

*Kynar® and Kynar 500® are registered trademarks of Arkema Inc. used under sublicense by Nu-Ray Metal Products, Inc.

**24 GAUGE PANELS x 16” WIDE**

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Span</th>
<th>Condition</th>
<th>2’0” Span</th>
<th>2’6” Span</th>
<th>3’0” Span</th>
<th>3’6” Span</th>
<th>4’0” Span</th>
<th>4’6” Span</th>
<th>5’0” Span</th>
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<tbody>
<tr>
<td>24</td>
<td>Single</td>
<td>L/240</td>
<td>118</td>
<td>75</td>
<td>52</td>
<td>38</td>
<td>29</td>
<td>22</td>
<td>18</td>
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<tr>
<td>24</td>
<td>Double</td>
<td>L/240</td>
<td>118</td>
<td>75</td>
<td>52</td>
<td>38</td>
<td>29</td>
<td>22</td>
<td>18</td>
</tr>
<tr>
<td>24</td>
<td>Triple</td>
<td>L/240</td>
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<td>60</td>
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**24 GAUGE PANELS x 12” WIDE**

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<th>3’0” Span</th>
<th>3’6” Span</th>
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<th>4’6” Span</th>
<th>5’0” Span</th>
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<tbody>
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<td>L/240</td>
<td>157</td>
<td>100</td>
<td>69</td>
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<tr>
<td>24</td>
<td>Double</td>
<td>L/240</td>
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<td>100</td>
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<tr>
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<td>Triple</td>
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<td>80</td>
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<td>28</td>
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All calculations for panel properties have been made in accordance with the 1996 edition of “Specification for Cold-Formed Steel Design Manual” published by the American Iron and Steel Institute. Material: FY = 40 KSI for steel panels minimum. All loads are in PSF. Minimum panel support bearing length = 3.00 in. Loads shown are limited by L/240 deflection.

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