Reflectix® RA P is an alternative to conventional sheet metal for return air duct panning. It may be used to enclose the bottom of return air plenums, between the joist spaces, stud cavities, and wall and ceiling cavities.

**Reflectix® RA P Stock Sizes**

All Reflectix® RA P products are Class 1/Class A per UL 723 test standard.

<table>
<thead>
<tr>
<th>Product</th>
<th>Part #:</th>
<th>Size:</th>
<th>Pcs/Case:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reflectix® RA P</td>
<td>HVRC164802S</td>
<td>16” x 48”</td>
<td>25</td>
</tr>
<tr>
<td>Reflectix® RA P</td>
<td>HVRC1954802S</td>
<td>19.5” x 48”</td>
<td>25</td>
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<tr>
<td>Reflectix® RA P</td>
<td>HVRC244802S</td>
<td>24” x 48”</td>
<td>25</td>
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<tr>
<td>Reflectix® RA P</td>
<td>HVRC323602S</td>
<td>32” x 36”</td>
<td>25</td>
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<tr>
<td>Joist Headers - Fire Resistant</td>
<td></td>
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<tr>
<td>Standard Header</td>
<td>HVRH161612S</td>
<td>16” x 16”</td>
<td>125</td>
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<tr>
<td>I-Joist Header</td>
<td>HVRH161712S</td>
<td>16” x 17”</td>
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<td>I-Joist Header</td>
<td>HVRH191612S</td>
<td>19” x 16”</td>
<td>125</td>
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</tbody>
</table>

**Code Identification**

Note: All product comes with code identification markings that read; Reflectix® RA P * Return Air Panning * Class 1/Class A * UL 723 Tested.

**Benefits**

- No shop fabrication required
- Saves labor cost of installation
- Reduces noise through plenum
- Less costly than sheet metal
- Lightweight & pre-cut
- Non-toxic / non-carcinogenic
MANUFACTURER’S SUGGESTED INSTALLATION INSTRUCTIONS

NOTE: Installation instructions and illustrated drawings are recommendations only, while proper local construction methods are the responsibility of the installer.

Place the 1st section of Reflectix® RAP “HVRC” as follows:

STARTING BEFORE RETURN AIR TRUNK HAS BEEN INSTALLED
a) Install Reflectix® RAP “HVRC” (print side is out or down) centered between joists & 2” or more past the top side of the duct. This provides for a tight seal when final trunk has been installed.
b) Staple side tabs to the bottom of the joists using a minimum 3/8” staple every 2”, insuring that the print side is out or down. (Also approved attachment methods; steel staples, sheet metal screws, roofing nails)

STARTING AFTER RETURN AIR TRUNK, BEAM OR WALL PLATE
a) Install Reflectix® RAP “HVRC” (print side is out or down) by scoring 1” lip across the end of the panel and bend down 90 degrees.
b) Center Reflectix® RAP “HVRC” between the bottom of joist. Butt it tightly to existing trunk, beam or plate.
c) Tape seams with an aluminum tape or UL181 aluminum.
d) Staple side tabs to the bottom of the joists using a minimum 3/8” staple every 2”, insuring that the print side is out or down. (Also approved attachment methods; steel staples, sheet metal screws, roofing nails)

ADDING THE NEXT SECTION OF REFLECTIX® RAP “HVRC”
a) Butt leading edge of sheet to the to next butt edge of sheet tightly.
b) Staple and tape seams as before (described above).
c) Continue repeating the process until you have reached the end of the return. Install with print side out or down.

INSTALLING REFLECTIX® RAP “HVRC” HEADER
a) Install with print side out or down.
b) Bend header inward closing off open end of the return air joist space.
c) Maintain a tight fit, while securing the top and sides of the header by stapling using the method as described above. Note: There is no difference in the application to the side or bottom of the joist. Open web trusses are acceptable.

IMPORTANT INFORMATION
1. In the 2015 International Mechanical Code Commentary - Section 602.3; Sheet Metal has traditionally been used for both stud cavity and joist space plenums. Code does not specify types of materials allowed for panning the bottom of open joists to create joist plenums. Traditionally, sheet metal has been used, however composite materials have and are used.
2. Check your local codes before installation for compliance in your area.
3. Installation instructions and illustrated drawings are recommendations only, while proper local construction methods are the responsibility of the installer.

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