



REFLECTIX® SUBMITTAL SHEET

Reflectix® RAP "HVRC" (Sheeted) Return Air Duct Panning

Reflectix® RAP 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.

PRODUCT DESCRIPTION

Reflectix® RAP has a reflective surface on both sides and a layer of corrugate in the middle. All Reflectix® RAP products are rated Class 1/Class A per the UL 723 test standard, along with the manufacturer's name for easy identification by code officials.

CODE IDENTIFICATION

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

BENEFITS

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

REFLECTIX® RAP STOCK SIZES

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

Product:	Part #:	Size:	Pcs/Case:
Reflectix® RAP	HVRC1648025	16″ x 48″	25
Reflectix® RAP	HVRC19548025	19.5″ x 48″	25
Reflectix® RAP	HVRC2448025	24″ x 48″	25
Reflectix® RAP	HVRC3236025	32″ x 36″	25

Joist Headers - Fire Resistant

Product:	Part #:	Size:	Pcs/Case:
Standard Header	HVRH1616125	16″ x 16″	125
I-Joist Header	HVRH1617125	16″ x 17″	125
I-Joist Header	HVRH1916125	19″ x 16″	125

Features
AT A GLANCE:

Reduces duct noise

Shop fabricating is not required

Staple to floor joists and stud cavities

Easy to install

Reduces labor costs

Lightweight

WAREHOUSE LOCATIONS:

Markleville, IN
Phoenix, AZ
Greenville, SC
Chicopee, MA

Reflectix
#1 School St. (POB 108)
Markleville, IN 46056
(800) 879-3645
E: customerservice@reflectixinc.com
www.reflectixinc.com



TECHNICAL DATA

Physical Properties:	Test Method:	Reflective/ Corrugated/Reflective:
Fire Rating:	UL 723 Tested	Class 1/ Class A
Flame Spread:	UL 723 Tested	5
Smoke Development:	UL 723 Tested	0

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

- 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.
- 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

- 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.
- Center Reflectix® RAP "HVRC" between the bottom of joist. Butt it tightly to existing trunk, beam or plate.
- Tape seams with an aluminum tape or UL181 aluminum tape.
- 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"

- Butt leading edge of sheet to the to next butt edge of sheet tightly.
- Staple and tape seams as before (described above).
- 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

- Install with print side out or down.
- Bend header inward closing off open end of the return air joist space.
- 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

- In the 2018 International Mechanical Code Commentary - Section 602.3; Sheet Metal has traditionally been used for both stud cavity ane 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.
- Check your local codes before installation for compliance in your area.
- Installation instructions and illustrated drawings are recommendations only, while proper local construction methods are the responsibility of the installer.