



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

### 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 · Needham, MA

### Reflectix, Inc.

A Division of Balkan Innovations Inc.  
#1 School St. (PO Box 108)  
Markleville, IN 46056  
(800) 879-3645  
Fax: (765) 533-2327  
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.

### IMPORTANT INFORMATION

- In the 2018 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.
- 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.