

- 1) Measure all walls, ceilings and floors for the area(s) requiring shielded from RF transmission. Cut the Ultra NT Radiant Barrier to the appropriate lengths, by adding 12" additional to cover all walls, ceilings and floors of the area to be covered.
- 2) Attachment methods vary depending on framing type.
  - a. Wood framing: Attach by stapling the Ultra NT directly to the wood, with staples spaced 6-10" apart.
  - b. Steel framing: Attach the Ultra NT directly to the framing with double-sided tape or an approved construction adhesive or spray adhesive (please consult the architectural specifications for approved adhering materials).
  - c. Concrete: Attach with an approved construction adhesive or spray adhesive to adhere the Ultra NT to the wall (please consult the architectural specifications for approved adhering materials).
- 3) If the Ultra NT is to be installed between layers of 5/8" gypsum board, attach with approved drywall screws for panel installation (please consult the architectural specifications for approved fastening methods).
- 4) At all joints, overlap all Ultra NT at least 6" and seal all seams using a recommended foil tape. Please consult the architectural specifications for approved types of tapes for a particular project (i.e.-aluminum, electrically conductive, etc...).
- 5) Where the wall meets the ceiling, extend the Ultra NT across the joint, so that it extends at least 6" onto the ceiling.
- 6) Where the wall meets the floor, extend the Ultra NT across the joint, so that it extends at least 6" onto the floor.
- 7) Completely cover the floors and ceilings, extending the Ultra NT to the walls, covering the 6" overlap created in steps 5-6 above.
- 8) If single-point grounding is specified, this may be from any point of the SCIF enclosure, but must be independent from standard electrical grounding already in place.



Please remember these general rules: make sure all joints have a minimum 6" overlap and that all seams are sealed using aluminum foil tape. It is important to make sure that all wall, ceiling, and floor surfaces are covered using Ultra NT Radiant barrier material. Once installed, the Ultra NT Radiant barrier can be covered with any type of finish. If drywall is used to finish the walls and ceilings it is also recommended to use black phosphate fine thread drywall screws for panel installation unless otherwise specified.

### SUGGESTED PRODUCTS FOR THIS APPLICATION:

rFOIL® INSULATION PRODUCT	1800-48-125S (Solid)
rFOIL® TAPE	15513 or 15512 (Aluminum)

- a) Check local building codes for compliance before installation. This installation sheet is intended solely to illustrate the proper location and placement of rFOIL® Reflective Insulation products in specific constructions applications. They are not intended to illustrate proper construction methods (which is ultimately the responsibility of the builder or contractor). The installation instructions are only recommendations relating to the location and placement of rFOIL® Reflective Insulation products and rFOIL® makes no claims that these construction systems are universally accurate.
- b) All warranties are void if rFOIL® Reflective Insulation products are used in exterior applications, or in non-enclosed systems or buildings.
- c) Exercise caution when using rFOIL® Reflective Insulation products near and around electrical wiring and devices.



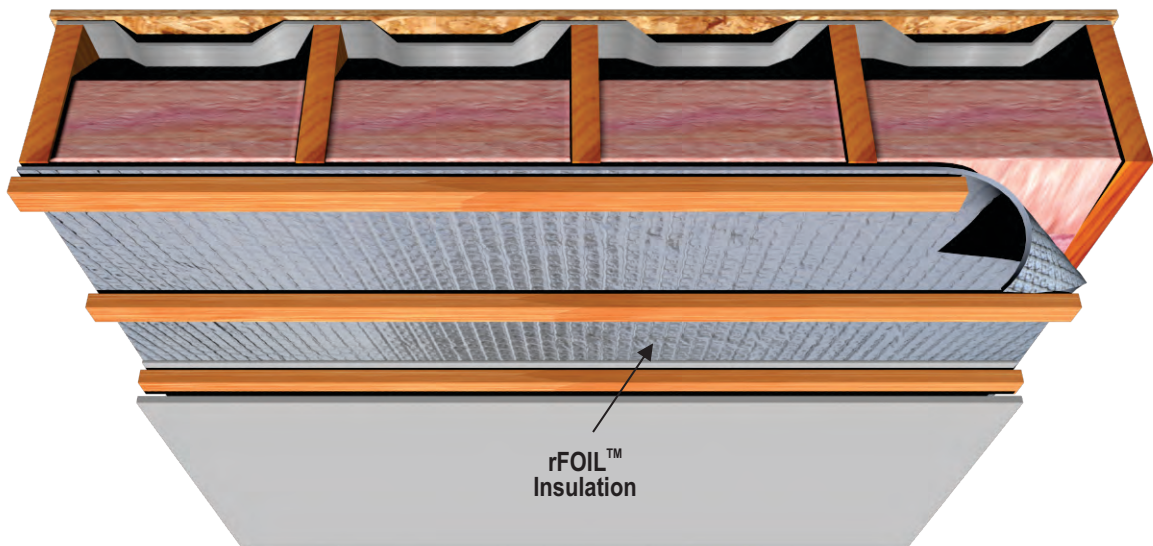
279 Humberline Drive Etobicoke, ON M9W 5T6  
 Call Toll Free: 1-800-837-8961 Local: 416-798-1340  
 Fax: 416-798-1342 Email: sales@rfoil.com  
**Visit our Website: [www.rfoil.com](http://www.rfoil.com)**



- PERFORMANCE UNAFFECTED BY MOISTURE AND HUMIDITY
- QUICK AND EASY TO INSTALL, AND ADDS R-VALUE
- REDUCES HEAT LOSS AND HEAT GAIN ALL YEAR ROUND
- WILL BLOCK UP TO 96% OF RADIANT HEAT TRANSFER

### INSTALLATION METHOD

1. Install unfaced mass insulation between rafters; be sure to leave at least 2" of ventilation space between the roof and the top of the insulation.
2. Unroll and staple rFOIL™ insulation to the underside of the rafters.
3. Seal all seams and butt joints with rFOIL™ tape to ensure a continuous insulation and vapor barrier.
4. Install wood strapping over insulation at 16" intervals - perpendicular to the rafters.
5. Install drywall to the furring strips - creating a reflective airspace between insulation and drywall.



### SUGGESTED PRODUCTS FOR THIS APPLICATION:

rFOIL™ INSULATION PRODUCT	2200 Series (Available in Various Dimensions)
rFOIL™ TAPE	15013 or 15012 (Reflective)

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