

* The following installation guidelines are for informational purposes only and are not intended to supersede any Architectural Specifications. The Architectural Specifications for any particular job shall override the information presented on this Installation Sheet with regards to the appropriate products to use and the appropriate installation method to use for that particular job.

- 1) Unroll the Ultra NT Radiant barrier and cut it to the appropriate length to cover all walls, ceilings and floors of the room or building that you want shielded from RF transmission. The Ultra NT Radiant barrier should be cut 12" longer than the length of the wall, ceiling or floor to be covered.
- 2a) If the building is made of wood framing, you can staple the Ultra NT Radiant barrier to the wood directly - stapling every 6"-10".
- 2b) To install on steel studs, Ultra NT Radiant barrier may be held in place using tape.
- 2c) If the building is made of concrete, then a general purpose construction adhesive or spray on contact adhesive can be used to adhere the Ultra NT Radiant barrier to the wall.
- 2d) In some cases, the Ultra NT Radiant barrier must be installed between two layers of 5/8" gypsum board. It is recommended to use black phosphate fine thread drywall screws for panel installation unless otherwise specified - please consult the architectural specifications.
- 3) Make sure to overlap all Ultra NT Radiant barrier joints by 6" and seal all seams using a foil tape. The recommendation to use a foil tape does not supersede the Architectural Specifications of any particular job which may call for an electrically conductive tape.
- 4) When you reach the top of a wall, extend the Ultra NT Radiant barrier so that it wraps around the corner and onto the ceiling for 6".
- 5) When you reach the bottom of a wall, extend the Ultra NT Radiant barrier so that it wraps around the corner and onto the floor for 6".
- 6) Install more Ultra NT Radiant barrier material on the ceiling and floor to complete the job.
- 7) Single point grounding has been shown to have a positive effect on SCIF enclosure performance. Grounding may be from any single point of the SCIF enclosure, but must be separated from electrical grounding for the building.



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:

ULTRA NT RADIANT BARRIER (SCIF's) > 1800-48-125S (solid)
 rFOIL™ REFLECTIVE TAPE > 15212, 15213

- * 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.
- ** All warranties and performance estimates are void if rFOIL™ Reflective Insulation products are used in exterior applications, or in non-enclosed systems or buildings.
- *** Exercise caution when using rFOIL™ Reflective Insulation products near and around electrical wiring and devices.



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MATERIAL SAFETY DATA SHEET

www.rFOIL.com

rFOIL™ Ultra NT Radiant Barrier

SEPTEMBER 2009

SECTION 1: PRODUCT IDENTIFICATION

NAME: rFOIL ULTRA NT RADIANT BARRIER
DESCRIPTION: SOLID REINFORCED RADIANT BARRIER
MANUFACTURER: COVERTECH FABRICATING INC.
ADDRESS: 279 HUMBERLINE DRIVE
ETOBICOKE, ONTARIO, CANADA
M9W 5T6
TELEPHONE: 800-837-8961
FAX: 416-798-1342

SECTION 2: HAZARDOUS INGREDIENTS

THESE PRODUCTS ARE NOT CONSIDERED TO BE HAZARDOUS, AND ARE NOT CLASSIFIED AS 'CONTROLLED PRODUCTS'. THEY ARE COMPRISED PRINCIPALLY OF POLYETHYLENE AND METALIZED ALUMINUM THAT ARE NON HAZARDOUS.

SECTION 3: PHYSICAL DATA

BOILING POINT: NOT APPLICABLE
TEMPERATURE RANGE: -40°F TO 200°F
WATER VAPOUR PERM: < 0.01 PERMS
APPEARANCE: FLEXIBLE SHEET
ODOUR: NONE



SECTION 4: FIRE & EXPLOSION DATA

FLAME SPREAD: 0 (ASTM E84-09)
SMOKE DEVELOPMENT: 0 (ASTM E84-09)
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER OR FOAM
USUAL FIRE HAZARDS: BARRIER FOIL MATERIALS ARE NOT HIGHLY FLAMMABLE, BUT IN CONTACT WITH FLAME THEY WILL MELT AND BURN.

SECTION 5: REACTIVITY DATA

STABILITY: PRODUCTS ARE STABLE AND INERT TO MOST CHEMICALS.
NONE CAUSE A VIOLENT REACTION.
INCOMPATIBILITY: CONSULT WITH MANUFACTURER PRIOR TO USING AS A CONTAINMENT OR BARRIER FOR CHEMICALS OTHER THAN WATER.

SECTION 6: HEALTH HAZARD DATA

INHALATION: NONE
EYES & SKIN: NONE
INGESTION: PRODUCTS SHOULD NOT BE EATEN OR KEPT IN CONTACT WITH FOOD

SECTION 7: SPECIAL PRECAUTION & HANDLING INFORMATION

GENERALLY THE PRODUCTS REQUIRE NO SPECIAL PRECAUTIONS WHEN HANDLING. HOWEVER THE PRODUCTS MAY BECOME SLIPPERY WHEN WET, AND CARE SHOULD BE TAKEN WHEN WALKING ON THIS.

SECTION 8: FIRST AID MEASURES

NOT APPLICABLE

NOTE: THE INFORMATION CONTAINED IN THIS SHEET IS DISCLOSED IN GOOD FAITH AND IS PROVIDED TO THE BEST KNOWLEDGE OF THE MANUFACTURER. NEVERTHELESS IT IS NOT A WARRANTY AND COVERTECH FABRICATING INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED FROM THE USE OR INABILITY TO USE THE PRODUCT



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