



# TECHNICAL DATA SHEET

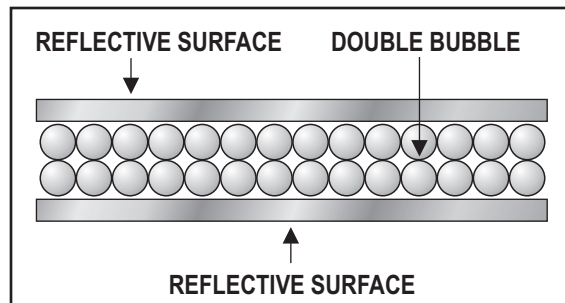
## REFLECTIVE DUCT INSULATION

[www.rFOIL.com](http://www.rFOIL.com)

### Product Description:

rFOIL™ Reflective Duct Insulation is a double layer of polyethylene bubbles sandwiched between two layers of highly reflective aluminum sheets. This product has on it, a code certification strip that identifies the brand name and pertinent testing information for duct applications; This inspector-friendly tape means no hassles at the jobsite, and peace of mind for installers.

Covertech has developed and tested two methods of installation that will yield thermal resistance of R-4.2 and R-6.0. All products within this line are classified as Class 1/Class A in accordance with the ASTM E84-09 fire test standard. The product was mounted in accordance to ASTM-E2599-08.



### Stock Sizes Available (Rolls):

| Size     | 36" X 50'   | 48" X 50'   | 48" X 100'  | 48" X 125'  |
|----------|-------------|-------------|-------------|-------------|
| Part No. | 2290-36-050 | 2290-48-050 | 2290-48-100 | 2290-48-125 |

### Features:

- Approvals: T24 CA-T354 (CN)
- Three possible installation schemes
- Approved vapor barrier protection
- Thermal performance unaffected by moisture
- Inhibits condensation, mould and fungi growth
- Non-Toxic / Non-Carcinogenic



### Applications:

- Duct Insulation without spacers (R-4.2)
- Duct Insulation with bubble spacers (R-6.0)

| Physical Properties            | Test        | Value                       |
|--------------------------------|-------------|-----------------------------|
| NOMINAL THICKNESS              | —           | 5/16"                       |
| WEIGHT                         | —           | 1.25 oz / sq. ft.           |
| TEMPERATURE RANGE              | ASTM C411   | -50°F to 180°F              |
| FIRE RATING                    | ASTM E84-09 | CLASS 1 / CLASS A           |
| THERMAL RESISTANCE             | ASTM C335   | R-4.2 (without spacers)     |
|                                |             | R-6.0 (with bubble spacers) |
| EMISSION                       | ASTM C1371  | 0.05                        |
| REFLECTIVITY                   | ASTM E903   | 0.943                       |
| WATER VAPOR PERMEABILITY       | ASTM E96    | <0.02 Perms                 |
| RESISTANCE TO FUNGI & BACTERIA | ASTM C1338  | DOES NOT PROMOTE GROWTH     |



279 Humberline Drive Etobicoke, ON M9W 5T6  
In CANADA: 1-800-837-8961 In US: 1-888-887-3645  
Local: 416-798-1340 Fax: 416-798-1342 Email: [sales@rfoil.com](mailto:sales@rfoil.com)  
Visit our Website: [www.rfoil.com](http://www.rfoil.com)



# MATERIAL SAFETY DATA SHEET

www.rFOIL.com

## rFOIL™ Duct Insulation

SEPTEMBER 2009

### SECTION 1: PRODUCT IDENTIFICATION

NAME: rFOIL DUCT INSULATION  
DESCRIPTION: REFLECTIVE-DOUBLE BUBBLE-REFLECTIVE INSULATION  
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: 20 (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



279 Humberline Drive Etobicoke, ON M9W 5T6  
In CANADA: 1-800-837-8961 In US: 1-888-887-3645  
Local: 416-798-1340 Fax: 416-798-1342 Email: sales@rfoil.com  
Visit our Website: [www.rfoil.com](http://www.rfoil.com)