

## MANUFACTURER'S INSTALLATION INSTRUCTIONS

### R-4.2

1. Be sure all metal joints, seams, and penetrations are sealed properly.
2. Measure circumference of the duct.
3. Cut FI-FOIL® HVAC bubble insulation longer than the circumference of duct to allow an overlap on both sides and top of duct.
4. Wrap bubble insulation loosely around the duct to create a 3/4" air space between the duct and insulation; be sure the printed compliance is facing outward and clearly visible.
5. Tape all linear and circumference joints, overlap by 1"-2" using a UL181 foil tape; be sure tape is firmly secured to create an airtight seal.
6. Repeat Steps 1-5 to cover entire length of ductwork.

An airtight seal of all joints and penetrations will create an enclosed air space for thermal performance of R-4.2 when FI-FOIL® HVAC insulation is loosely wrapped; be sure to start installation at the end of the duct and do not leave any exposed duct to ensure maximum performance of the system.

#### NOTES:

- 1- The installation instructions in this guide are meant as recommendations only; checking local building codes and following required construction methods is the responsibility of the installer. Instructions are meant to illustrate relative placement of FI-FOIL® HVAC insulation products and FI-FOIL® makes no claims that these assemblies are universally accurate.
- 2- FI-FOIL® HVAC Insulation products are designed for indoor applications only; all warranties are void if used in exterior building applications.
- 3- Not to be used as duct liner.



# Installation Guide

## FI-FOIL® RBI SHIELD™ HVAC

### MANUFACTURER'S INSTALLATION INSTRUCTIONS

#### R-6.0

1. Be sure all metal joints, seams, and penetrations are sealed properly.
2. Wrap FI-FOIL® HVAC 2" spacer material around the duct three (3) times and secure to duct at approximately 20"-24" intervals along length of ductwork.
3. Measure circumference of duct at mid-point over the spacers.
4. Cut FI-FOIL® HVAC bubble insulation longer than the circumference of duct with spacers to allow an overlap.
5. Wrap bubble insulation around the duct with spacers to create a 7/8" air space between the duct and insulation; be sure the printed compliance is facing outward and clearly visible.
6. Tape all linear and circumference joints, overlapping by 1"-2" using a UL181 foil tape; be sure tape is firmly secured to create an airtight seal.
7. Repeat Steps 1-6 to cover entire length of ductwork.

An airtight seal of all joints and penetrations will create an enclosed air space for thermal performance of R-6.0 when FI-FOIL® HVAC insulation is wrapped over spacers; be sure to start installation at the end of the duct and do not leave any exposed duct to ensure maximum performance of the system.

#### R-8.0

1. Follow Steps 1-7 above under R-6.0 instructions.
2. Repeat Steps 2-7 again for an R-8.0 installation.

A double wrap of spacers with an airtight seal of all joints and penetrations will create two (2) enclosed air spaces for thermal performance of R-8.0 when FI-FOIL® HVAC insulation is wrapped over spacers in each layer; be sure to start installation at the end of the duct and do not leave any exposed duct to ensure maximum performance of the system.



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