

# AKOUSTEX

## Insulation material with high acoustic qualities

Air draft resistant non woven cloth laminated to a PE fiber material with high thermal and acoustic values and finally laminated to a metalized reflective PE finish on the other side.

To Install: Wipe dust off surface to which the insulation should be laminated to. Use approved Spray adhesive on surface area to receive insulation. Cut edges to meet. Use approved metalized adhesive tape to cover seams



Thermal resistance	ASTM C518	4.2 for 1"
Fire rating	ASTM E84	Fire Spread <25 Smoke <50
Acoustic NRC		0.65 per 1"
Corrosiveness, Fungi resistant	ASTM C665, C1338	Pass, Pass
Moisture Vapour Absorption	ASTM C1104	0.24%
Temperature Resistance	ASTM C411	Up to 250° F
Volatile Organic Content	ASTM D5116, CA1350	0.00
Greenguard		Compliant CS

Ripplepak  
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## **INSULAPACK™ –INSULATING GAS BUBBLE-FOIL INSULATION**

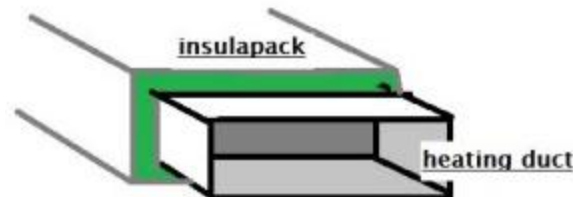


### **HVAC Insulation**

Insulapack™ is a multi-layered, laminated plastic cellular material filled with insulating gas complete with a metallic reflective outer layer which provides a very high thermal resistance (R value – 10.6 per inch). The insulating gas is non-toxic, clear, colourless and odourless. The gas is inactive, non-reactive and will not promote flammability. It has a thermal conductivity 30% lower than that of air which is why this gas is also used as an insulating agent in commercial and residential sealed window units. The insulating gas is denser and therefore less conductive than air, thereby the convection within the air space is significantly reduced, creating a better insulating barrier. Works best with HVAC systems operating between -50F to 180F. Insulapack does not compress therefore thermal performance is continuous across entire surface including edges. Meets ULC 25/50 standards

#### **KEY POINTS**

- Will prevent up to 95% of radiant heat transfer
- Resistant to mold or mildew, and does not provide for nesting of rodents, birds or insects
- Does not adsorb/absorb moisture.
- Elastic, Keeps its thickness over time (doesn't collapse)
- Light weight, clean, dust free and recyclable
- Non-toxic and provides its own vapour barrier
- Safe and easy-to-use – no gloves or Masks required at installation as no loose fibers - Non itch
- HVAC insulation reduces sound and heat in the system
- HVAC foil insulation does not require spacers
- Highest per inch R Value – R10.6
- Flexibility makes for easy installation
- Easy clean surfaces
- Fits into tight spaces
- Made in Canada
- **Certified by UL. ULC. Tested by third party laboratories** (Details available upon request)
- Insulapack™** is patented in Canada, USA, and Europe





## Insulapack – HVAC Foil Insulation Spec Sheet

HVAC Foil Insulation Properties	STANDARD	HVAC Foil Insulation Values
Thermal Resistance	ASTM C335	≈R-10.6 per inch
Fire Rating	ASTM E84-13a	Flame Spread 0, Smoke 5
Emissivity	ASTM C1371	0.04
Reflectivity	ASTM E903	0.096
Water vapour transmission	ASTM E96	0.029PERMS
Resistance to fungus & bacteria	ASTM C1338-08	does not promote growth
Delamination or cracking	ASTMC1224-03	None
Operating temperature range	AST411	-50 to 180° F
Temperature & humidity resistance	ASTMC1258	None, some metalized corrosion
Thermal Transmission Properties	ASTM 518-10	No thermal degradation noticed (250 deg. Fehr.)



Thickness of Insulapack for HVAC ranges from ¼" (R-2.6) to 1" (R10.6)  
 Standard width – 48"  
 Sheet lengths ranges from 60' to 125' (limited by thickness)