

# THE INSULATOR™

THERMAL-ACOUSTIC INSULATION



## Description

The Insulator Thermal/Acoustic Insulation is a lightweight, foil faced, fire retardant blanket-type insulation with multiple uses. The Insulator offers excellent thermal and acoustical performance and carries a Class-A fire rating.

Made from durable natural fibers, The Insulator contains no fiberglass and does not itch or cause skin irritation. The fibers used to manufacture The Insulator offer excellent sound absorption properties and every fiber used is individually treated with an EPA registered anti-microbial agent that offers excellent protection from mold, mildew, fungi, and pests as well as fire resistance.

The Insulator's pure aluminum barrier reflects unwanted radiant heat and offers excellent protection from air currents, moisture, and vapors.

## Uses

Use The Insulator wherever unwanted heat or noise control is necessary.

## Product Features

- Excellent Noise Absorption
- Reduces Unwanted Heat
- No Itch or Skin Irritation
- Resists Microbial Growth
- Easy To Handle & Install
- Durable & Long-Lasting



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## Physical Properties

PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 10 (Class 1) Smoke Developed 20 (Class 1)	ASTM E 84 UL 723
Zero Surface Burn Rate	Exceeds Standard (Less than 1/5 in./min.)	FMVSS 302
Facing	99% Pure Aluminum Reinforced Foil	
Foil Emissivity	.03	ASTM E 408
Foil Reflectivity	97%	ASTM E 408
Tensile Tear Strength	100 lbs.	
Pad Weight	3 oz./s.f.	

## Thermal Technical Data

POSITION		R-VALUE
UP		7.85
DOWN		16.39
HORIZONTAL		9.91
<b>R-VALUE PER INCH</b>		3.91

\* The higher the R-Value, the greater the insulating power.

## Acoustical Performance

PRODUCT	ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCIES (Hz)						
<b>THE INSULATOR</b>	125	250	500	1000	2000	4000	NRC
3/8" Pad	.12	.10	.23	.56	.81	.89	.45

## Available Sizes

PRODUCT	FOIL SIDES	LENGTH		WIDTH		THICKNESS		SQ. FT./ BUNDLE		WEIGHT	
		Ft.	(m)	Ft.	(m)	Inch	(m)	Ft.	(m)	Lbs.	(kg)
BLIR 11406	Single Side	6	1.8	4	1.2	3/8	9.5	24	7.3	6	2.7
BLIR 12406	Dual Side	6	1.8	4	1.2	3/8	9.5	24	7.3	8	3.6
BLIR 23406	2 Ply (3 Sides)	6	1.8	4	1.2	3/8	9.5	24	7.3	15	6.8
BLIR 34406	3 Ply (4 Sides)	6	1.8	4	1.2	3/8	9.5	24	7.3	20	9.1
BLIR 11475	Single Side	75	13.7	4	1.2	3/8	9.5	300	91	65	29.5
BLIR 12475	Dual Side	75	13.7	4	1.2	3/8	9.5	300	91	75	34