



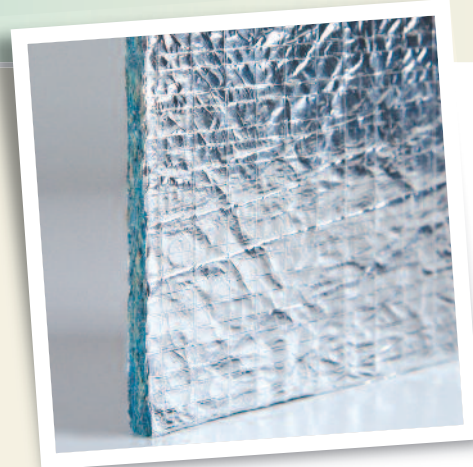
physical properties:

	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread: 10 (Class 1)	ASTM E 84
	Smoke Developed: 20 (Class 1)	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
R-VALUE PER INCH	3.91

Tested in accordance with ASTM C 177 and ASTM C 518
 * The higher the R-Value, the greater the insulating power.



acoustical performance:

PAD THICKNESS		ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCIES (Hz)						
inches	mm	125	250	500	1000	2000	4000	NRC
3/8	8	.12	.10	.23	.56	.81	.89	.45

Sound Absorption was tested in accordance with ASTM C 423 using a Type A mounting per ASTM E 795

standard available sizes:

PRODUCT	FOIL SIDES	LENGTH		WIDTH		THICKNESS		SQ FT/BUNDLE		WEIGHT	
		feet	m	feet	m	inch	mm	feet	m	lbs	kg
BLIR 11406	Single	6	1.8	4	1.2	3/8	8	24	7.3	6	2.7
BLIR 12406	Double	6	1.8	4	1.2	3/8	8	24	7.3	8	3.6
BLIR 11475	Single	75	13.7	4	1.2	3/8	8	300	91	65	29.5
BLIR 12475	Double	75	13.7	4	1.2	3/8	8	300	91	75	34

Natural Fiber Spa Insulation

- Excellent Noise Absorption
- Strong Thermal Protection
- No Itch or Skin Irritation
- Resists Microbial Growth

Bonded Logic Natural Fiber Spa Insulation is made from post consumer recycled denim that is a thermally bonded. Natural Fiber Spa Insulation is a Class-1 fire rated material that offers excellent thermal and acoustical performance.

Natural Fiber Spa Insulation contains no fiberglass and does not itch or cause skin irritation. Natural Fiber Spa Insulation is treated with a non-toxic solution that actively inhibits the growth of mold, mildew, bacteria and fungi. This same treatment also acts as an excellent fire retardant, giving Natural Fiber Spa Insulation a Class 1 Fire Rating.

USES: Natural Fiber Spa Insulation is used in spa units to reflect radiant heat from pumps and equipment back into the spa, where it can be absorbed into the plumbing. Heating efficiency will be improved by raising and maintaining water temperatures with less energy required. These factors lead to overall lower energy use and savings.