



**LEED**<sup>™</sup>  
FOR HOMES



**echotouch**<sup>™</sup>  
natural fiber insulation






  
**echotouch™**
  
 natural fiber insulation



- No Itch or Skin Irritation
- Class-A Fire Rated
- Resists Mold & Mildew
- Superior Acoustic Properties
- No Formaldehyde
- Environmentally Safe
- LEED Eligible
- Sustainable Building Project
- Durable, Impact-Resistant, Resilient, Lightweight, and Easy to Install
- Lower Cost or Better Performance Than Many Other Acoustic Materials
- No Itchy Fiberglass - No Formaldehyde - No VOC's - Requires No Warning Labels
- 100% Recyclable "GREEN" Product

Green
   
 in any **COLOR**





# commitment

Echotouch™ Natural Fiber Insulation started out with one objective; to manufacture superior performing products that are safe for you and the environment in which you live.

Utilizing almost exclusively natural fibers, Echotouch™ combines over 25 years of fiber insulation experience with a patented manufacturing process to create an acoustic product that provides each customer with the two main qualities necessary when it comes to purchasing any building product - Performance and Peace of Mind.

# performance

## acoustic

Controlling sound and noise transmissions through walls, ceilings, and floors can be a complex challenge in designing and building a project. Echotouch™ offers an extremely high Noise Reduction Coefficient (NRC) to effectively reduce airborne sound transmissions including traffic, airplanes, radio, television, and conversation.

The natural fibers used to make Echotouch™ contain excellent sound absorption qualities while the patented manufacturing process used to create Echotouch™ produces a three-dimensional infrastructure that effectively traps, isolates, and controls sound waves. The result is a quiet comfortable environment between rooms, walls, and floors.

## thermal

Echotouch™ provides maximum R-Value performance. The unique construction of the insulation contains thousands of tiny air pockets that work to maintain strong thermal protection even in extreme temperature changes. The density of Echotouch™ also contributes to providing consistent thermal performance day in and day out.

# peace of mind

## environment

The natural fibers that are used to manufacture Echotouch™ are 100% recyclable, reducing landfill waste. The fibers are also 100% post-industrial, ensuring a high quality fiber. Echotouch™ is also a LEED accredited product.

Echotouch™ requires a minimal amount of energy to manufacture aiding the environment with energy conservation and a reduction in pollution. Other insulation manufacturers consume considerably more energy while creating additional unwanted pollution and landfill waste.

Echotouch™ contains no chemical irritants and requires no warning labels compared to traditional products. Echotouch™ contains no harmful airborne particulates that can enter your living area and the surrounding environment causing health concerns. Also, it has no VOC outgassing concerns and contains no formaldehyde or fiberglass.

## mold & fungi resistant

Every natural fiber used to manufacture Echotouch™ is treated with an EPA registered, non-toxic borate solution and then "flash-dried" in our manufacturing process to offer complete and safe mold/mildew protection. Borates are a very effective natural biostat that actively inhibit mold, mildew, bacteria, and fungi growth. Borates also act as an excellent fire retardant and pest inhibitor. Echotouch™ mold resistant fibers offer long lasting protection and help reduce health and safety concerns.

# features

- Class-A Fire Rating
- No Formaldehyde
- No Itch or Skin Irritation
- Durable Denim/Cotton Padding
- Patented Manufacturing Process
- Versatile with Multiple Uses
- Contains No Fiberglass

# benefits

- Superior Acoustic Performance
- Excellent Thermal Performance
- Environmentally Safe
- Easy to Use and Install
- Reduces Heating/Cooling Costs
- No Protective Clothing Needed

# specifications

## core colours

Black, White, Marble Light Blue, Pure Blue, Navy Blue, Light Gray, Beige, Hunter Green, Burgundy, Charcoal

## thickness

1", 2"

## density

3 and 6 lbs / cf

## sizes

2'x4'  
Custom Sizes & Die Cut Parts Available

## formats

Natural texture, Grommetted Panels

## applications

Gymnasiums, Auditoriums, Classrooms, Music Rooms, Arenas & Stadiums, Churches, Offices, Computer Rooms, Restaurants, Cafeterias, Residential, Concert Halls & Theatres, Pro Audio, Gun Ranges, Manufacturing Plants, Machine Enclosures, Water Treatment Plants



# Technical Specifications

Physical Properties		
PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 10 Class A Smoke Developed 20 Class A	ASTM E-84 UL 723
Corrosion Resistance	Pass	ASTM C 739
Fungi Resistance	Pass	ASTM C 739
Odor Resistance	Pass	ASTM C 739

Thermal Technical Data						
Tested in accordance with ASTM C 518 at mean temperature of 75 °						
Thickness		Width		Length		R-Value*
Inch	(mm)	Inch	(mm)	Inch	(mm)	
3.5	(89)	16	(406)	94	(2387)	13
3.5	(89)	24	(609)	94	(2387)	13
3.5	(139)	16	(406)	94	(2387)	19
3.5	(139)	24	(609)	94	(2387)	19

## ASTM E-84 Class A Fire Retardant



EchoTouch Acoustical Cotton is fire retardant, fungi, mold & mildew resistant and has been tested for numerous acoustical and thermal insulating properties including the following ASTM specification and test methods:

E84, C665, C518, E96, E970, C423-98, E97-97, E413-87, E492-90, E989-89; C739-97 Sec. 9, 11, 13, 15; CA. Lic.#TI-1367 Reg.#CA-T367AZ



## EchoTouch™ SOUND ABSORBING CEILING & WALL PANELS

EchoTouch™ Acoustical Cotton Panel – Sound Absorption / Noise Reduction										
Product	Nom. Size	Weight	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	
EchoTouch	1" x 2' x 4'	1/4 lb./sf 3 lb./cf	.08	.31	.79	1.01	1.00	.99	.80	
EchoTouch	2" x 2' x 4'	1/2 lb./sf 3 lb./cf	.35	.94	1.32	1.22	1.06	1.03	1.15	
EchoTouch	1" x 2' x 4'	1/2 lb./sf 6 lb./cf	.07	.30	.86	1.10	1.05	1.03	.85	

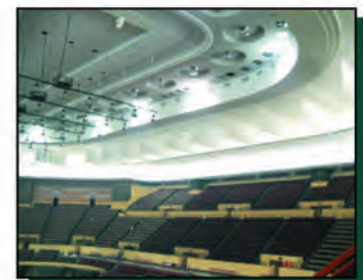


Noise Control Problem Solved – Woodbury Methodist Church

## EchoTouch™ HANGING BAFFLE SOUND ABSORBERS

Baffles are a popular solution for noise control when high levels of sound or long reverberation times (echo) are present and there is limited wall or ceiling surface area available for sound absorption. Baffles utilize both front and rear surfaces and panel edges to provide optimal sound absorption while creating a unique visual appearance. EchoTouch baffles feature exceptional durability and will not easily fracture from impact.

EchoTouch Hanging Baffles™ – Sound Absorption / Noise Reduction									
Product	Nom. Size	Weight	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Sabins/Avg.
EchoTouch Hanging Baffles	1" x 2' x 4'	6 lb./cf	2.43	4.9	8.34	12.35	15.57	16.73	10.30
EchoTouch Hanging Baffles	2" x 2' x 4'	3 lb./cf	2.40	6.55	12.86	17.46	18.49	16.77	13.85



Reverberation Problem Solved – Municipal Auditorium in Kansas City, MO

