



# Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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We Identify and **S.T.O.P.** Your Noise Problems

## TECHNICAL INFORMATION

### Noise S.T.O.P. UltraTouch® SoftSounds™

High Performance Acoustical Cotton  
Insulation, No Fiberglass

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



May Qualify for LEED Credits.



*"SoftSounds Will Help Improve  
Your Heating and Cooling  
Efficiency, Resulting in Energy  
and Cost Savings."*

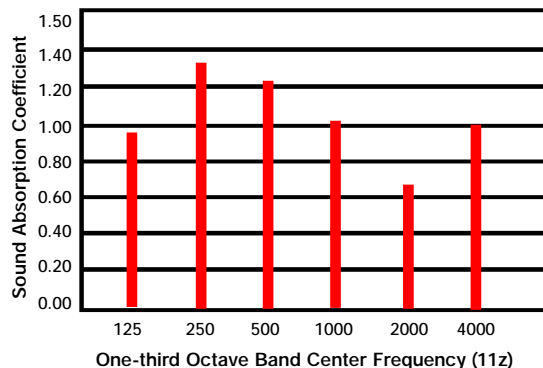
#### Description:

UltraTouch SoftSounds Natural Fiber Building Insulation is a Class A building material that offers excellent thermal and acoustical performance. Made from natural fibers, SoftSound contains no fiberglass and does not itch or cause skin irritation. The fibers used to manufacture SoftSound offer excellent sound absorption properties. Every natural fiber used to manufacture SoftSound is individually treated with an EPA registered fungal inhibitor that offers excellent protection from mold, mildew, fungi, and pests as well as fire resistance.

#### Uses:

Use SoftSound Natural Fiber Building Insulation for interior/exterior wall and ceiling applications. SoftSound can be installed in either wood or metal framing cavities or between furring channels by using a simple friction fit. SoftSound does not itch and contains no harmful irritants making it safe to handle and install without the need of protective respiratory gear or clothing.

Natural Fiber Insulation Batt R-19 (Thickness= 5-1/2") AS-SA1711: NRC 1.15



Continued on Next Page.

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



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## Noise S.T.O.P. SoftSounds™

### High Performance Acoustical Cotton Insulation, Continued

**ACOUSTIC** Controlling sound and noise transmissions through walls, ceilings, and floors can be a complex challenge in designing and building a project. UltraTouch SoftSounds 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 UltraTouch SoftSounds contain excellent sound absorbing qualities while the patented manufacturing process used to create UltraTouch SoftSounds 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** UltraTouch SoftSounds 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 UltraTouch SoftSounds also contributes to providing a consistent thermal performance day in and day out.

UltraTouch SoftSounds is manufactured in "oversized" widths and is installed with a friction fit to provide maximum fill capacity. This also reduces the chance for air convection and infiltration that can occur with smaller sized insulation.

Physical Properties		
PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 5 (Class 1) Smoke Developed 35 (Class 1)	ASTM E-84 UL 723
Corrosion Resistance	Pass	ASTM C 739
Fungi Resistance	Pass - No Growth	ASTM C 739
Bacteria Resistance	Pass - No Growth	ASTM C 739
Moisture Absorption	Pass - Less than 15%	ASTM C 739
Fire Test of Building Materials	Pass - 1 Hour Rating	ASTM E 119/UL 263

Acoustical Performance								
Sound Absorption was tested in accordance with ASTM E-90-02, C423 Type A mounting per ASTM E 795)								
Product		Absorption Coefficients @ Octave Band Frequencies (Hz)						
Size	Thickness	125	250	500	1000	2000	4000	NRC/STC
R-13	3.5"	.95	1.30	1.19	1.08	1.02	1.00	NRC 1.15
R-19	5.5"	.97	1.37	1.23	1.05	1.00	1.01	NRC 1.15
R-13	3.5"	21	40	48	52	46	48	STC 45

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

Product Compliances	
UltraTouch SoftSounds Natural Fiber Building Insulation has the physical properties that regularly meet the requirements of the following current specifications, standard, and codes.	
<b>Building Codes</b>	
ICBO	International Conference of Building Officials
BOCA	Building Officials and Code Administrators
CABO	Council of American Building Officials
SBCCI	Southern Building Code Congress International
State of California Bureau of Thermal Insulation (License #TI-1367 Reg. # CA-T367AZ)	
 	

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