



**UltraTouch**<sup>™</sup>  
Denim Insulation



**Insulating products that are safe to install and provide years of comfort.**

## performance.

Bonded Logic, Inc. maintains one key focus... manufacturing superior performing products that are safe for you and our environment!

We combine over 25 years of natural fiber insulation manufacturing experience with a patented treatment process to create an insulation that provides our customers with the two main qualities necessary when it comes to purchasing any building product, Performance and Peace of Mind.

Manufactured from post-consumer recycled denim, UltraTouch™ is Class-A fire rated, offers superior thermal and acoustical properties, and is treated with a non-toxic mold and mildew inhibitor. These qualities provide a product that is high-performing as well as safe for you and the environment.

When it comes to choosing insulation, we know that safety, health, and superior performance are key factors in making that decision. That's why we are confident that UltraTouch Denim Insulation is the right choice for you!

## r-value.

UltraTouch provides energy-saving thermal performance. The unique construction of UltraTouch provides thousands of tiny air pockets that work to maintain strong thermal protection even in extreme temperature changes. The density of UltraTouch also contributes to providing a consistent thermal performance day in and day out.

UltraTouch 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 batts.

## mold-resistance.

The recycled denim fibers used in the manufacturing of UltraTouch are treated with a non-toxic solution. These fibers are then "flash-dried" to ensure that each fiber that goes into production will meet our strict standards. Our proprietary solution is an effective natural biostat that actively inhibits the growth of mold, mildew, bacteria, and fungi. This same treatment also acts as an excellent fire retardant, giving UltraTouch a Class-A Fire Rating.

## acoustics.

Controlling sound and noise transmission through walls, ceilings and floors can be a complex design and construction challenge. UltraTouch offers an extremely high Noise Reduction Coefficient (NRC) to effectively reduce airborne sound transmission including traffic, airplane, radio, television, and everyday human conversation.

The natural fibers in UltraTouch provide excellent sound absorption, while the patented manufacturing process used to create UltraTouch produces a three dimensional infrastructure that effectively traps, isolates, and controls sound waves. The result is a quiet comfortable environment between rooms, walls, and flooring.

## LEED™.

UltraTouch Denim Insulation contributes to earning multiple LEED credits throughout the program. UltraTouch contains 90% post-consumer recycled content and uses cotton, a rapidly renewable resource, as its main component. UltraTouch does not contain any harmful chemicals or irritants and therefore does not pose any VOC or off-gassing concerns.

Using UltraTouch for your next LEED project will not only assist you in earning LEED credits, but will also provide your clients with a superior, healthy, and safe insulation they can depend on.

### **Bonded Logic is built upon innovation!**

**Our commitment to the ongoing development of new products and material enhancements will challenge the industry for many years to come.**



## perforated batts for easy installation

### **No cutting required.**

Select R-values of UltraTouch™ Recycled Denim Insulation are perforated for easy installation into "off size" cavities. Using our proprietary manufacturing process, Bonded Logic is able to perforate several pieces per bag, allowing for an easy-tear process that can provide multiple widths from a single piece of insulation.

Simply tear along the perforations to create multiple pieces from a single batt, all with a clean and smooth edge. UltraTouch perforated insulation drastically reduces installation time by removing the cutting process and replacing it with a quick, clean alternative.



## environmentally responsible insulation.

UltraTouch™ is environmentally-friendly insulation packed with quality features: no-itch or skin irritation; energy-saving thermal performance; and superior sound isolation properties.

The natural fibers used to manufacture UltraTouch are 100% recyclable, reducing landfill waste. When feasible, UltraTouch construction waste can be returned to Bonded Logic for re-introduction to the raw material supply. These fibers are also derived from post-consumer recycling sources, giving a new life to material that was bound for a landfill. UltraTouch requires minimal energy to manufacture, aiding the environment with energy conservation and a reduction in pollution.



THE FABRIC OF OUR LIVES®

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Traditional insulation manufacturers consume considerably more energy while creating additional unwanted pollution and landfill waste. UltraTouch contains zero VOCs, has no off-gassing concerns, and lacks the formaldehyde of traditional insulation products.

When you choose UltraTouch for your commercial or residential project, you make a commitment to the environment. Your structure will not only be well insulated, maximizing HVAC efficiency, but will also be a healthy space in which to live and work. Making the choice to use UltraTouch confirms your commitment to the health of the planet and the well being of the people who live here.

UltraTouch Denim Insulation is a product whose time has come!



**The Logical Choice!**

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UltraTouch™ can be used in both interior and exterior walls as well as most ceiling applications. The product easily installs in either wood or metal framing cavities by using a simple friction fit. The product is safe to handle and install without the need for protective clothing or special respiratory equipment.

- **Environmentally Safe**
- **Class-A Fire Rated**
- **Maximum R-value**
- **Superior Acoustics**
- **Resists Mold and Mildew**
- **No Formaldehyde**
- **No Itch or Skin Irritation**
- **LEED™ Eligible Product**



**MADE FROM  
100%  
RECYCLED  
DENIM**

**wood framing:**

PRODUCT CODE	R-VALUE*	THICKNESS (MM)	WIDTH (MM)	LENGTH (M)	SQ. FT.	PCS./BAG	WT. LBS.
10002-81532	8	2.0"	15"	32'	120	3	20
10002-82332	8	2.0"	23"	32'	122.66	2	20
10002-01315	13	3.5"	15"	93"	77.52	8	32
10002-01323	13	3.5"	23"	93"	118.8	8	49
10002-01915	19	5.5"	15"	93"	48.45	5	28
10002-01923	19	5.5"	23"	93"	74.25	5	43
10002-02115	21	5.5"	15"	93"	48.45	5	32
10002-02123	21	5.5"	23"	93"	74.25	5	49
10002-03015	30	8.0"	15"	48"	25.0	5	22
10002-03023	30	8.0"	23"	48"	38.35	5	34

**metal framing:**

PRODUCT CODE	R-VALUE*	THICKNESS (MM)	WIDTH (MM)	LENGTH (M)	SQ. FT.	PCS./BAG	WT. LBS.
10000-81632	8	2.0"	16.25"	32'	129.99	3	22
10000-82432	8	2.0"	24.25"	32'	129.34	2	22
10002-01316	13	3.5"	16.25"	94"	84.88	8	35
10002-01324	13	3.5"	24.25"	94"	126.63	8	54
10002-01916	19	5.5"	16.25"	94"	53.04	5	31
10002-01924	19	5.5"	24.25"	94"	79.15	5	46
10002-02116	21	5.5"	16.25"	94"	53.04	5	35
10002-02124	21	5.5"	24.25"	94"	79.15	5	52
10002-03016	30	8.0"	16.25"	48"	27.10	5	24
10002-03024	30	8.0"	24.25"	48"	40.40	5	36

\*Tested in accordance with ASTM C-518 at a temperature of 75° F. Higher R-values equal greater insulating power.  
Note: Full recovery may take up to 72 hrs. after removal from package.



**product compliances:**

UltraTouch™ Insulation meets the requirements, specifications, standards and building practices of the following trade organizations.

**BOCA** Building Officials & Code Administrators

**CABO** Council of American Building Officials

**ICBO** International Conference Building Officials

**LEED** Leadership in Energy & Environmental Design

**SBCCI** Southern Building Code Congress International

**California Bureau Thermal Insulation** License # TI-1367, Reg. # CA-T367AZ

**Environmental Spec. #1350 ICC Evaluation** Report #1134 **LARR** ICC ER #1134



**physical properties:**

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

**accoustical performance:**

R-VALUE	THICKNESS	(MM)	ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCIES (HZ)						
			125	250	500	1,000	2,000	4,000	NRC/STC
R-13	3.5"	89	0.95	1.3	1.19	1.08	1.02	1.0	1.15 NRC
R-13	3.5"	89	21	40	48	52	46	48	45 STC
R-19	5.5"	140	0.97	1.37	1.23	1.05	1.0	1.01	1.15 NRC
R-19	5.5"	140	40	53	57	63	53	63	57 STC

Sound Absorption was tested in accordance with ASTM E90-02, ASTM C423 (Type A mounting per ASTM E 795)

