



UltraTouch
Natural Cotton Fiber Insulation



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P E R F O R M A N C E

BONDED LOGIC *Started out with one objective... to manufacture superior performing products that are safe for you and the environment we live in.*

Utilizing almost exclusively natural fibers, Bonded Logic combines over twenty-five years of fiber insulation experience with a patented manufacturing 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.

All of our insulation products are Class-A fire rated, offer superior thermal and acoustical properties, and are treated with a non-toxic mold, mildew and pest inhibitor. These qualities provide a product that is both high-performing as well as safe for you and the environment.

When it comes to making that choice, we know that safety, health, and superior performance are key factors in making that decision. That's why we are confident that UltraTouch Natural Cotton Fiber Insulation will be the right choice for you!

UltraTouch is environmentally friendly insulation packed with quality features including no-itch or skin irritation, maximum thermal performance, and super sound absorption. UltraTouch is a product whose time has come.

ACOUSTICAL PERFORMANCE

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

The natural fibers used to make UltraTouch provide excellent sound-absorbing qualities, 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.



“It is our commitment that Bonded Logic will continue to make safe and sustainable building products that you can count on for years to come”



**“Superior and Safe
insulation for you
and your walls”**



and peace of mind

R-VALUE *UltraTouch 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 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.

ENVIRONMENTALLY SAFE

The natural fibers used to manufacture UltraTouch are 100% recyclable, reducing landfill waste. The fibers are also 100% post-industrial, ensuring a high quality fiber.

UltraTouch requires minimal energy to manufacture therefore 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. UltraTouch contains zero VOCs, has no outgassing concerns and lacks the formaldehyde of traditional insulations.

When choosing UltraTouch for your commercial or residential project, you are making a commitment to

our environment. Your structure will not only be well insulated, thereby maximizing HVAC efficiency, but will also be a healthy space for it's inhabitants to live and work. Making the choice to use UltraTouch Natural Cotton Fiber Insulation confirms your commitment to the health and safety of our planet and the people who reside here.

MOLD RESISTANT *All natural fibers used to manufacture UltraTouch are treated with a non-toxic borate solution. The fibers are then “flash-dried” to ensure that every fiber that goes into the production of UltraTouch will meet out strict standards. Borates are an effective natural biostat that actively inhibits the growth of mold, mildew, bacteria, and fungi. Borates also act as an excellent fire retardent, giving UltraTouch a Class-A Fire Rating and deterring pest infiltration.*

LEED™ *UltraTouch Insulation can contribute to earning several LEED credits throughout the program. UltraTouch contains 85% post-industrial recycled content and uses cotton, a rapidly renewable resource, as one of its main ingredients. 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.

- **Excellent Noise Absorption**
- **Maximum R-Value**
- **Class-A Fire Rated**
- **No Itch or Skin Irritation**
- **Resists Microbial Growth**
- **No Formaldehyde**
- **A LEED Eligible Product**

ULTRATOUCH® INSULATION

Is a Class-A building material that can be used for both interior and exterior walls as well as most ceiling applications. UltraTouch can be installed in either wood or metal framing cavities and between furring channels by using a simple friction fit.

UltraTouch Natural Cotton Fiber Insulation is safe to handle and install without the need for protective clothing or special respiratory equipment.

PHYSICAL PROPERTIES

PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics <i>(Fire Hazard Classification)</i>	Flame Spread 5 <i>(Class 1)</i> Smoke Developed 35 <i>(Class 1)</i>	ASTM E-84 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

THERMAL/TECHNICAL INFORMATION

** Tested in accordance with ASTM C-518 at a temperature of 75° F. Higher R-values equal greater insulating power.*

PRODUCT CODE	R-VALUE*	THICKNESS (MM)	WIDTH (MM)	LENGTH (M)	SQ. FT./BAG	WEIGHT
10000-01316	13	3.5" 89	16.25" 413	94" 2.34	106.07	48 lbs.
10000-01324	13	3.5" 89	24.25" 616	94" 2.34	126.63	58 lbs.
10000-01916	19	5.5" 140	16.25" 413	94" 2.34	53.04	30 lbs.
10000-01924	19	5.5" 140	24.25" 616	94" 2.34	63.32	35 lbs.
10000-02116	21	5.5" 140	16.25" 413	94" 2.34	53.04	37 lbs.
10000-02124	21	5.5" 140	24.25" 616	94" 2.34	63.32	45 lbs.
10000-03016	30	8.0" 203	16.25" 413	48" 1.22	54.20	43 lbs.
10000-03024	30	8.0" 203	24.25" 616	48" 1.22	64.64	57 lbs.

ACOUSTICAL PERFORMANCE

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

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	

PRODUCT COMPLIANCES

The physical properties of UltraTouch Insulation regularly meet the requirements, specifications, standards and building practices of the following organizations.

- Environmental Specification #1350
- ICC Evaluation Report #1134
- LARR ICC ER #1134
- BOCA Building Officials and Code Administrators
- CABO Council of American Building Officials
- ICBO International Conference of Building Officials
- LEED Leadership in Energy and Environmental Design
- SBCCI Southern Building Code Congress International
- California Bureau of Thermal Insulation Lic. #TI-1367/Reg. # CA-T367AZ



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