



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. When feasible, UltraTouch construction waste can be returned to Bonded Logic for re-introduction to the raw material supply. These fibers are also 100% post-consumer, giving a new life to material that was bound for the landfill.

UltraTouch requires minimal energy to manufacture therefore aiding the environment with energy conservation and a reduction in pollution. Traditional insulation manufacturers consume considerably more energy while creating additional unwanted pollution and landfill waste. UltraTouch contains zero VOCs, has no offgassing concern, 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 multiple LEED credits throughout the program. UltraTouch contains 90% post-consumer 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

| | 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 | 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 |
|--------------|----------|----------------|------------|------------|-------------|-----------|
| 10002-81632 | 8 | 2.0" | 51 | 16.25" | 129.99 | 22 lbs. |
| 10002-82432 | 8 | 2.0" | 51 | 24.25" | 129.34 | 22 lbs. |
| 10002-01316 | 13 | 3.5" | 89 | 16.25" | 84.88 | 35.6 lbs. |
| 10002-01324 | 13 | 3.5" | 89 | 24.25" | 126.63 | 54 lbs. |
| 10002-01916 | 19 | 5.5" | 140 | 16.25" | 53.04 | 31 lbs. |
| 10002-01924 | 19 | 5.5" | 140 | 24.25" | 79.15 | 46.5 lbs. |
| 10002-02116 | 21 | 5.5" | 140 | 16.25" | 53.04 | 35.5 lbs. |
| 10002-02124 | 21 | 5.5" | 140 | 24.25" | 79.15 | 52.5 lbs. |
| 10002-03016 | 30 | 8.0" | 203 | 16.25" | 27.10 | 24.5 lbs. |
| 10002-03024 | 30 | 8.0" | 203 | 24.25" | 40.40 | 36.5 lbs. |

NOTE: Full recovery may take up to 72 hours after removal from package.

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) | | | | | | | NRC/STC |
|---------|----------------|--|------|------|-------|-------|-------|------|----------|
| | | 125 | 250 | 500 | 1,000 | 2,000 | 4,000 | | |
| R-13 | 3.5" | 0.95 | 1.3 | 1.19 | 1.08 | 1.02 | 1.0 | 1.15 | 1.15 NRC |
| R-13 | 3.5" | 21 | 40 | 48 | 52 | 46 | 48 | 45 | 45 STC |
| R-19 | 5.5" | 0.97 | 1.37 | 1.23 | 1.05 | 1.0 | 1.01 | 1.15 | 1.15 NRC |
| R-19 | 5.5" | 40 | 53 | 57 | 63 | 53 | 63 | 57 | 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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