

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Cotton Insulation
	<b>COMPANY NAME</b>	Bonded Logic
	<b>PRODUCT/COLLECTION NAME</b>	Ultra Touch – Natural Cotton Fiber Insulation
	<b>DESCRIPTION</b>	“ UltraTouch will help improve your heating and cooling efficiency, resulting in energy and cost savings”
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	UltraTouch consists almost entirely of natural denim and cotton fibers that are 100% recyclable, reducing landfill waste. The denim and cotton are also 100% post-industrial.
	<b>RECYCLED CONTENT %</b>	UltraTouch contains 85% post-industrial recycled natural fibers making it an ideal choice for anyone looking to use a high quality sustainable building material.
	<b>RAPIDLY RENEWABLE CONTENT %</b>	N/A
	<b>HARMFUL ADDITIVES</b>	UltraTouch contains no chemical irritants and requires no warning labels compared to other traditional products. There are no VOC concerns when using UltraTouch, as it is safe for you and the environment.  Processed denim is sent to Bonded Logic and a borate solution is added to prevent mold and mildew.
	<b>HARMFUL EMISSIONS</b>	UltraTouch contains no harmful airborne particulates eliminating health concerns regarding particulates in the surrounding environment.
	<b>EMISSION STRENGTH OVER TIME</b>	None
	<b>TREATMENTS</b>	Non-toxic borate solution that has been registered with the EPA, to prevent mold, mildew, bacteria and fungi growth.
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	UltraTouch requires a minimal amount of energy to manufacture aiding the environment with energy conservation and reduction in pollution compared to other types of traditional insulation.  -UltraTouch begins as denim. Bonded Logic sources all the scraps and clippings from the manufacturing of blue jeans. This material is known as post-industrial recycled denim. -Practices zero waste manufacturing process. All and any product that does not pass quality control is once again shredded and returned to the raw material supply. -Denim waste is processed, baled and transported -Processed denim is treated with borate solution, and then blended. -The recycle denim is deposited onto the manufacturing line and ready for thermal bonding. It is passed through bonding ovens and forms a solid batt. -It is then cut to size to meet the specifications of your various products. The excess is then shredded and returned to the raw material supply. -It is now ready for packaging.
	<b>HARMFUL EMISSIONS</b>	None, made of natural fibers
	<b>LOCATION OF MANUF. PLANT</b>	Chandler, Arizona
	<b>TESTS/CODES</b>	N/A
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	Green Building Council Member
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	<ol style="list-style-type: none"> <li>1. Because UltraTouch is compressed for shipping purposes, give it a shake prior to installing. This will help accelerate the natural rebounding properties of the fibers. Depending upon climate and environmental conditions, full rebound may take several days.</li> <li>2. Install UltraTouch between the studs by simply fitting each batt firmly into place. If building codes require a vapor barrier, it should be applied towards the living area.</li> <li>3. Cut or tear the insulation to fit snugly around obstructions such as plumbing, vent lines, and electrical boxes. Use any left over pieces to fill small openings around windows and doors.</li> <li>4. For exterior walls, most municipalities will require a vapor barrier to be installed. The question of appropriate vapor barrier usage is not determined by Bonded Logic Inc. This issue depends entirely on your</li> </ol>

		local climate and your local building codes. Please contact your local building code office and inquire about the recommendation for your area. If a vapor barrier is required, Bonded Logic Inc recommends the use of a permeable barrier. A permeable barrier will allow your walls to "breathe" while still stopping moisture transfer.
	<b>INSTALLATION ADHESIVES</b>	No VOC Content
	<b>UNIT COST</b>	65.00 to 99.00 per sq. foot
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	Produced from recycled material, long service life resistant to mold
	<b>END OF SERVICE LIFE</b>	Recyclable
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Stands against mold and mildew and pest.
	<b>MISC. COMMENTS</b>	N/A
	<b>CONTRIBUTION TO LEED POINTS</b>	EAp2 – Minimum Energy performance EA 1 – Optimize Energy performance MR 4 – Recycle Content MR 5 – Local/Regional Materials MR 6 – Rapidly Renewable Resources EQp1 – Minimum Air-Quality Performance EQ 4 – Low Emission Materials ID 1 – LEED Innovation Credit
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	"Our natural fiber insulation delivers greater thermal performance while it's naturally safe, naturally quiet and friendly to our environment."
	<b>CONTACT</b>	1-800-560-1018 (insultech) Bonded Logic, Inc. 24053 S Arizona Ave. Ste 151 Chandler, AZ 87248  Tel: 480.812.9114 www.bondedlogic.com/
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	None