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## CSI PRODUCT SPECIFICATION

*Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) Format, including MasterFormat, Section Format, and Page Format, contained in the CSI Manual of Practice.*

*The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.*

**Delete all "Specifier Notes" when editing this section.**

### SECTION 07214

#### COTTON INSULATION

*Specifier Notes: This section covers UltraTouch Natural Cotton Fiber Building Insulation intended for use on interior and exterior walls, ceilings, and attics.*

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Natural Cotton Fiber Insulation

##### 1.2 RELATED SECTIONS

*Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.*

- A. Division 7 Sections that apply to thermal protection.
- B. Division 6 Sections that apply to wood framing.

### 1.3 REFERENCES

*Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.*

- A. ASTM E 84 - Surface Burning Characteristics of Building Materials.
- B. ASTM E 119 – Fire Testing of Building Materials (1-Hour Rating)
- C. ASTM C 518 – Test Method for Steady-State Thermal Transmissions properties by means of Heat Flow Meter Apparatus.
- D. ASTM C 423-90A – Standard Test Methods for Sound Absorption and Sound Absorption Coefficient by the Reverberation Method.
- E. ASTM E795-93 – Standard Practices for Mounting Test Specimens during Sound Absorption Tests.
- F. ASTM E90 – Standard Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- G. ASTM E 413-87 – Classification for Sound Insulation Rating.
- H. ASTM E 1332-90 – Classification for Determination of Outdoor-Indoor Transmission Class.
- I. ASTM C 739-9.0 – Corrosiveness of Cellulosic Fiber Insulation.
- J. ASTM C 739-11.0 – Fungi Resistance of Cellulosic Fiber Insulation.
- K. ASTM C 739-13.00 – Odor Emission of Cellulosic Fiber Insulation.
- L. ASTM C 739-12 - Moisture Absorption of Cellulosic Fiber Insulation.

### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's printed product data and specifications.
- B. Samples: Submit manufacturer's sample, minimum 6 inches square.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying material name and manufacturer.
- B. Storage: Store materials in a clean, dry area in accordance with manufacturer's instructions.
- C. Handling: Protect materials during handling and installation to prevent damage.

## **2.1 MANUFACTURER**

- A. Bonded Logic, Inc., 411 East Ray Road, Chandler, AZ, 85225. Phone (480) 812-9114. Fax (480) 812-9633. Web Site [www.BondedLogic.com](http://www.BondedLogic.com). E-Mail [Sales@BondedLogic.com](mailto:Sales@BondedLogic.com).

## **2.2 MATERIALS**

- A. UltraTouch Natural Cotton Fiber Insulation: - Unfaced batts made from post-industrial natural cotton fibers that have been thermally bonded.
- B. R-value: 3.5 Inch = R-13, 5.5 Inch = R-19
- C. Fire Rating: Flame Spread – 5 (Class A), Smoke Developed – 35 (Class-A)
- D. Fire Rating: 1-Hour
- E. Mold/Mildew/Fungi Resistance: Pass-No Growth (ASTM C 739)
- F. Corrosion Resistance: Pass (ASTM C 739)
- G. Odor Emission: Pass (ASTM C 739)
- H. Moisture Absorption: Pass – Less than 15% (ASTM C 739)
- I. Retardant used also acts as excellent pest inhibitor.
- J. Environmentally safe, sustainable, non-allergenic, non-hazardous, non-formaldehyde, non-itch insulation product.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Verify on site conditions.
- B. Verify insulation layout and dimensions.
- C. Ensure areas are ready for insulation and accurately match accepted project drawings.

### **3.2 PREPARATION**

- A. Remove batts from packaging and shake to activate binding fibers. Batts should be given 5-10 minutes to begin rebound activity.

### **3.2 INSTALLATION**

- A. Install insulation in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Cut or tear insulation to fit snugly around electrical wall outlets and other cutouts.
- E. Replace damaged material as directed by Architect.

### **3.3 PROTECTION**

- A. Protect insulation from damage during construction.

**END OF SECTION**