

## ECOCELL® batt insulation

### The Product:

ECOCELL® batt insulation is an industry first cellulose-based thermal insulation batt manufactured by Cellulose Material Solutions, LLC (CMS). ECOCELL® batts are an innovative, yet sustainable, alternative to traditional fiberglass and synthetic acoustical and thermal panels, and are true performers in a variety of different applications.

### Acoustical Performance:

The open design and density of ECOCELL® batts increases sound absorption to control and deaden sound. Airborne sound transmission is reduced from room to room and outdoor noise is blocked for a noticeable quietness.

### STC 50:

Achieving an STC 50 with simple 2X4 wall construction is rare. Increased wall thickness (such as additional layers of gypsum board) or additional materials (such as resilient channel) are typically needed to reach STC 50.

That is not the case when using ECOCELL® batts. A simple 2X4 wall containing ECOCELL® batts achieves an STC 50, as tested at Riverbank Acoustical Laboratories, without adding cost to the construction.

The ECOCELL® wall represents a cost-saving approach for builders, architects and consumers demanding higher acoustical performance with a simple wall assembly using an environmentally friendly, green insulation.

### Green Attributes:

Made from a combination of recycled and renewable fibers, the majority of which is post-consumer recycled newspaper, ECOCELL® batts are environmentally responsible and sustainable products. ECOCELL® batts are completely recyclable, and no scrap is produced during manufacturing or installation of the material. CMS also creates a "greener" manufacturing process by reducing energy use and air pollution.

### Thermal Performance:

ECOCELL® batts thermally outperform many fiberglass products by reducing air infiltration. The dense fibers of ECOCELL® batts reduce air infiltration resulting in a more air tight structure. This product is very functional where traditional means of insulating are not practical. The R-value of ECOCELL® batts (3.6 R per inch) exceeds many of the products commonly used.

### Product Safety:

ECOCELL® batts have a Class A fire rating. To protect against mold growth, ECOCELL® batts contain an EPA registered fungicide. ECOCELL® products do not contain any harmful airborne particles and do not itch or irritate skin like fiberglass insulation.

### Easy to install:

Soft to the touch, durable and lightweight, ECOCELL® batts are simple to install without requiring special equipment. Installing in a few straightforward steps, ECOCELL® batts are an ideal choice.

### Applications:

ECOCELL® batts are commonly used to insulate sidewalls and ceilings, but can also be used to insulate attics.

### Size Availability:

ECOCELL® batts are available in two convenient lengths.

#### Nominal Thickness      R-value:

3.5"	R-13
5.5"	R-20

#### Blanket Sizes

16" x 94"

16" x 96"

### Physical Property Data:

Property	Test Method	Value
Surface Burning Characteristics	ASTM E-84, UL 723	Flame Spread: 15 Smoke Developed: <450 (Class A)
Corrosiveness	ASTM C-739	Acceptable
Fungal Growth	ASTM C-739	Acceptable
Thermal Resistance	ASTM C-518	3.6 R per inch
Moisture Absorption	ASTM C-739	Acceptable
Odor Emission	ASTM C-1304	Acceptable