ecocell®
basement system

A simple, GREEN way to insulate basements

Easy to install, non irritating!

ECOCELL blankets are the greenest and safest solution to insulate basements. Cellulose Material Solutions, LLC (CMS) began producing its green ECOCELL basement system after three years of extensive testing and development to provide the consumer with an industry first, superior performing insulation product made from cellulose fibers.

Made with both recycled and renewable fibers, ECOCELL blankets have superior thermal and noise absorption properties.

ECOCELL blankets contain no harmful airborne particles, are made with an EPA registered fungicide to resist mold, and do not itch or irritate skin like fiberglass insulation. Available in two convenient thicknesses and sizes and easy to install without requiring special equipment, ECOCELL basement system is the ideal insulation solution for the do-it-yourself individual.

ECOCELL basement system is a class A fire rated material according to standards of the International Building Code. ECOCELL blankets can be left exposed and do not need to be covered with drywall, paneling or other material because of this rating, resulting in less cost for the consumer compared to other insulation materials.

Great insulation option for those hard to reach areas!

ECOCELL Product Performance:

:: High R-value performance - R-6 or R-10
:: Meets building code requirements
:: Class A fire rating
:: Made from recycled and renewable fibers
:: Dense fibers deaden sound
:: Reduces airborne sound transmissions
:: Contains an EPA registered fungicide to resist the growth of mold
:: Entirely recyclable
:: Safe and easy to handle
:: Zero waste in manufacturing
:: Paintable
:: Can be used in crawl spaces

Available Sizes:

:: Nominal Thickness/R-value: 1.5"/R-6; 2.5"/R-10
:: Blanket sizes: 48" x 96" or 48" x 108"

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Superior Performance, Meets Code Standards, and it's GREEN!

Surface Burning Characteristics (ASTM E-84, UL 723):
- Flame Spread 15 (Class A)
- Smoke Developed < 450 (Class A)

Environmental Characteristics:
- Corrosiveness: Acceptable
- Fungal Growth: Acceptable

Physical Characteristics:
- Thermal Resistance: 3.7 R per inch
- Moisture Absorption: Acceptable
- Odor Emission: Acceptable

Product Performance:

ECOCELL basement system thermally outperforms many fiberglass products by reducing air infiltration. The dense fibers of ECOCELL blankets not only reduce air infiltration, but control and deaden sound, reducing airborne sound transmission from room to room and blocking outdoor noise for a noticeable quietness. A quieter, more air tight home is achieved with ECOCELL basement system.

GREEN Characteristics:

ECOCELL materials are environmentally responsible and sustainable products. ECOCELL blankets are made from a combination of recycled and renewable fibers, the majority of which is post-consumer recycled newspaper. By converting recycled paper into the cellulose fibers used in ECOCELL materials, the paper is kept out of landfills where it has the potential to pollute the environment. Because ECOCELL material is completely recyclable, no scrap is produced during production or installation of the product. CMS also creates a "greener" manufacturing process by reducing energy use and air pollution during manufacturing. The most important green attribute of ECOCELL to the homeowner is up to 40%* savings on energy bills*.

Product Safety:

Homeowners are concerned with safety, especially when it comes to one of their biggest investments, their homes. ECOCELL is Class A fire rated, does not contain any harmful airborne particles and does not itch or irritate skin like fiberglass insulation. ECOCELL basement system can be left exposed or uncovered, can be painted, is easy to handle, and is soft to the touch. To protect against mold growth, ECOCELL blankets contain an EPA registered fungicide to resist the growth of mold.

Step by Step Installation Process:

Equipment needed: • Square • Felt Tip Marker • Tape Measure • Circular Saw with masonry blade • 8 foot 2" x 4" • Adhesive - select one of the following • Hilti Foam, Touch-n-Seal All Season Foam OR 3M Polystyrene Foam Insulation 78 Adhesive

1. Prepare the area

Make sure all surfaces are free from dust and water. Lay the 2" x 4" flat on the floor along the wall beneath each blanket as a spacer.

2. Measure

Start at a square corner of the room. Measure length and width of blanket needed for wall application. Then measure and mark blanket.

3. Cut

Cut along marked lines with a circular saw equipped with a masonry saw blade.

4. Apply Adhesive

Apply adhesive in vertical lines and across the top of the back of the ECOCELL blanket as pictured. Adhesive will adhere in 30 - 60 seconds and cure in 30 minutes.

5. Apply to wall

Align the seam of the blanket with the wall's edge or previously installed blanket. Work from the spacer** to the ceiling to apply the blanket to the wall, pressing firmly.

** When applying in crawl spaces, begin at least 3½" from floor

cms
cellulose material solutions,llc

For more information, please contact CMS
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*Savings vary. Find out why in the seller's fact sheet on R-value. Higher R-values mean greater insulating power.

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