Acoustical SOLUTIONS

For every environment of your life.

LEED Statement

AcousticalSolutions.com
800-782-5742

SUSTAINABLE SERIES ACOUSTICAL PRODUCTS

ACOUSTICAL BOARD

Use of Sustainable Series products may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.
The LEED Green Building Rating System™ is a voluntary standard that defines high performance green buildings —which are healthier, more environmentally responsible, and more profitable structures. Credits for certification can be earned in various categories, each with a unique focus on sustainable design: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation and design process.
Specifying Ecose Fiberglass insulation can put you on the right track for LEED certification.

LEED Credit Category	**Contribution**	**Points**
Materials and Resources		
MR Credit 4.1 Recycled Content: 10%	All Knauf Insulation fiber glass insulation products are manufactured using a minimum of 55% “post-consumer” recovered materials.	1 Point
MR Credit 4.2 Recycled Content: 20%	All Ecose Fiberglass insulation products are manufactured using a minimum of 55% “post-consumer” recovered materials	1 Point in addition to MR credit 4.1
MR Credit 5.1 Regional Materials: 10% Extracted, Processed and Manufactured Regionally	All Ecose Fiberglass insulation products are produced in Shelbyville, IN, Lanett, AL or Shasta Lake, CA which may be within 500 miles of the project.	1 Point
MR Credit 5.2 Regional Materials: 20% Extracted, Processed and Manufactured Regionally	All Ecose Fiberglasss insulation products are produced in Shelbyville, IN, Lanett, AL or Shasta Lake, CA which may be within 500 miles of the project.	1 Point in addition to MR credit 5.1
Energy and Atmosphere		
EA Credit 1 Optimize Energy Performance	Ecose Fiberglass insulation products help reduce building energy demand and compliance with energy codes.	1-10 Points
Indoor Environmental Quality		
EQ Prerequisite 3 Acoustical Performance	Acoustical Solutions building and HVAC insulations are critical components for reducing noise and improving room sound quality	Prerequisite

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EQ Credit 3.2 **Indoor Air Quality**	**Ecose Fiberglass insulation products are GREENGUARD certified for low VOC emissions.**	**1 Point**
EQ Credit 7.1 **Thermal Comfort**	**Acoustical Solutions building and HVAC distribution insulations are critical components for increased thermal comfort.**	**1 Point**
EQ Credit 9 **Enhanced Acoustical Performance**	**Acoustical Solutions building and HVAC insulations are critical components for reducing noise and improving room sound quality**	**1-2 Points**
EQ Credit 10 **Mold Prevention**	**Ecose Fiberglass insulation products do not promote mold growth when tested in accordance with ASTM C 1338.**	**1 Point**
Innovation and Design		
ID Credit 1-1.4 **Innovation in Design**	**GREENGUARD Children and Schools Certified and verified to be formaldehyde free. Acoustical Solutions products can be used in innovative designs that have both environmental and helth benefits.**	**1 Point**

ACOUSTIC FABRIC

Sustainable Series Fabric
Based on revolutionary nano-technology, Sustainable Series Fabric delivers all the performance characteristics of Type II wallcoverings in an energy-saving, lightweight, non-PVC construction. This is the industry's first "no-compromise" eco-friendly wallcovering platform.

Eco-Friendly Construction

- Non-PVC substrate. Printed with water based inks.
- Does not contain Perfluoro Octanoic Acid (PFOA), nor
- will it degrade to PFOA.
- Does not contain formaldehyde.
- Cadmium & mercury-free.
- Low energy manufacturing with innovative water
- recycling process.
- Typical Tensile: 150 x 129.
- Typical Tear: 73 x 62 (scale readings)
- Lightweight, with Type II performance. Because
- Sustainable Series Fabric uses lightweight nanostructures for strength, shipments of the product use fewer natural resources and result in reduced transportation costs.

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Supports USGBC LEED Program
Commercial wallcoverings featuring Sustainable Series Fabric can be used effectively with the Leadership in Energy & Environmental Design (LEED) rating system for both new construction (NC) and commercial interiors (CI) projects. It is important to note that these wallcoverings do not, nor does any other construction material, carry their own LEED rating.
Sustainable Series Fabric can be used for LEED projects in the following categories:

Materials & Resources:
MR 5.1: Regional Material:
20% manufactured locally
- for projects within a 500 mile radius of Elyria, OH

MR 2.1: Construction Waste Management/
Divert 50% from landfill.
MR 2.2: Construction Waste Management/
Divert 75% from landfill.
Environmental Quality:
EQ 4.1: Low emitting Materials: Adhesives & Sealants.

Indoor Air Quality
GREENGUARD Indoor Air Quality Certified® for its low VOC emissions. GREENGUARD Indoor Air Quality Certified Product Certification Program tests for low emitting interior building materials, furnishings, & finish systems. Sustainable Series Fabric products have been tested for their chemical emissions performance.

GREENGUARD Children & Schools Certified for its very low emissions. GREENGUARD Children & Schools Product Certification Program complies with the State of California's Department of Health Services Standard Practice (CA Section 01350) for testing chemical emissions from building products used in schools. As such, GREENGUARD Children & Schools Certified products can be used to earn valuable credits in the CHPS Best Practices Manual for K-12 Schools.

Durable with a Long Life Cycle
- Meets stain resistance requirements of CCC-W-408-D.
- Meets or exceeds all Type II commercial wallcovering requirements outlined in the CCC-W-408-D for physicals & performance.
- Washable/Scrubbable. Meets or exceeds Gardner Scrubbability Test ASTM D 2486; 300 cycles using a cleaning solution with no damage to finish or print.
- Superior life cycle performance with minimal maintenance. Specifying and maintaining durable products that perform exceptionally well throughout their service life & last longer than paint is part of a sustainable strategy. When Sustainable Series Fabric remains on the wall for an extended period of time, less energy is used, fewer raw materials are consumed & less waste is generated. Specifying Sustainable SeriesFabric yields both reduced environmental impact & life-cycle costs.

Breathable
The Moisture Vapor Transmission Rate (MVTR) or perm rate is a measurement of the permeability of a material or the degree to which water vapor can pass through a material. The higher the perm rate, the easier it is for water vapor to pass through. Sustainable Series Fabric has a perm rate of at least 100

SUSTAINABLE SERIES ACOUSTICAL PRODUCTS

Perms, as measured by a third party accredited laboratory, using the ASTM E-96 Method B. While the construction industry has yet to recognize a single test procedure, the ASTM E-96 Standard Test is being used by many companies in the building products industry. The term “breathable” is often used in the construction industry to describe materials with perm ratings greater than 10. A measurement of over 100 Perms indicates that the Sustainable Series Fabric material has significant permeability and is breathable. It is important to keep in mind that no wall surfacing material, including Sustainable Series Fabric, is a solution for a building with moisture problems. The permeability of Sustainable Series Fabric means that it should not be used in certain applications, such as some bathrooms & kitchens, where spills, splashes or high humidity could damage the underlying walls. In such cases, standard vinyl wall coverings may be more appropriate.

Recyclable

- Commercial wallcoverings featuring Sustainable Series Fabric are 100% post-consumer recyclable.
- Construction waste as well as post-use material can be returned for recycling.

Safety and Fire Protection

- Meets or exceeds Class A wallcovering requirements.
- NFPA 101 and IBC Class A Interior wall and finish rating when tested using ASTM E-84 method on Type X gypsum board and when tested in accordance with NFPA 286.
- MEA Approved, NY Department of Buildings.