

Safer "Green" Insulation for today's "deco" building and product standards

Huge energy savers! Superior sound absorption!

AcoustaCore2

Mineral core

Wood/metal sheets

AcoustaCore

Lenderink dry film adhesive

AcoustaCore1

Paper core

Recyclable newspaper

AcoustaCore1 and AcoustaCore2 are 100% recyclable. No scrap is produced during production or installation of product. Both products offer superior acoustic performance and minimize environmental impact.

AcoustaCore1

Lightweight and very easy to use, this Class A fire retarded, eco-friendly insulation line is a solid performer in applications where acoustic and thermal properties are a focus. Easily customized to application specifications AcoustaCore1 products can be soft or semi-rigid, lofted or compressed with engineered density and precision thicknesses to 5.9 inches.

AcoustaCore2

AcoustaCore 2 is a rigid, dimensionally stable sound, temperature, and moisture repelling insulation board with or without overlays for enhanced point load. AcoustaCore 2 conforms to substrate irregularities -- making it a superior performer for numerous applications. Water repellent, yet highly vapor permeable makes this an excellent product to manage trapped moisture and sound.

AcoustaCore1

Easily cut with intricate detailing in standard and designer shapes using CNC water jet technology, etc.
Fiberglass-free, lightweight
Class A Fire Retarded
Acoustic and thermal Standout
Panel fabrication - all kinds
Can be cut with a utility knife

AcoustaCore2

Long-term performer
Made from natural & recycled materials
Fire resistant to 2150°F
Water repellent
Sound (35db perf. metal skin) resistant
Thermal resistance
Dimensional stability and 3D Shapes
Vapor permeability (.03% absorption ASTM C 1104)
Resistance to growth of mold, fungi, and bacteria
Can be cut with a utility knife



**LENDERINK
TECHNOLOGIES**

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Where sound environmental practice & wise resource stewardship reflect in our products and services.

APPLICATION | INNOVATION | SOLUTIONS

LENDERINK AcoustaCore1 systems thermally outperform many fiberglass products. The dense fibers of the AcoustaCore1 reduce air infiltration and control airborne sound transmission from room to room while blocking noise for a noticeable quietness.

**You'll find AcoustaCore1 in these products.
Here's a sampling:**

Partition Systems
Moldable | Laser Cuttable
PreFabrication
Automotive Speakers
Cushion
Honey Comb
Thumbtack Retention
Frame



AcoustaCore1

Mold and Bacteria Resistance

As a protection against mold growth Lenderink AcoustaCore1 products contain an EPA registered fungicide to resist the growth of mold.

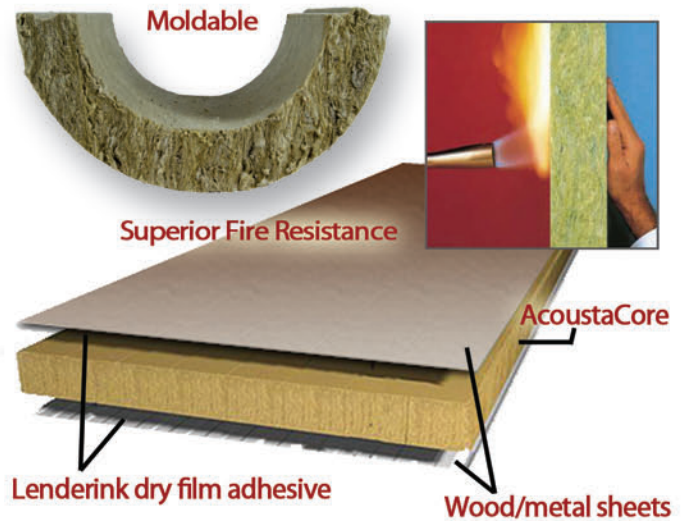
Other Criteria and Product Characteristics

AcoustaCore1 can be designed for acoustic absorption, sound transmission loss (STC) and/or damping functions, separately or in combination. As well as with other functional or commercial criteria, this product can be tailored to fit multiple applications. AcoustaCore1 has met UL-Class A fire rating in suspended and laminated configurations with/without cover materials.

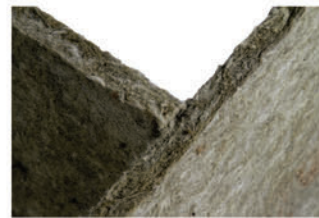
Design Possibilities and Custom Applications

Without sacrificing quality or product integrity AcoustaCore1 can be cut with intricate detailing in standard and designer shapes using state of the art CNC Water Jet cutting equipment. Water Jet technology allows for precision cutting from 3/16 (.187) to 5.9". AcoustaCore can be easily and economically laminated/overlayed -- in line -- with many exciting, high performance, high end finishes.

Surface Burning Characteristics
(ASTM E-84, UL 723):
Class A
Environmental Characteristics:
Corrosiveness: Acceptable
Fungal Growth: Acceptable
Physical Characteristics:
2 to 17lbs. per cu.ft.
Thermal Resistance: 3.7R per inch
Sound Absorption: .80 NRC@1" @4#



AcoustaCore2



AcoustaCore2 insulation is constructed from a blend of basalt rock and recycled slag. The end result is a material both non-combustible and fire resistant withstanding tempera-

tures up to 2,150 degrees Fahrenheit (1172°C) and does not produce smoke or toxic gases in the event of a fire. Depending on core thickness, one-, two- and three-hour fire-rated wall systems can be achieved using the insulation material. **AcoustaCore2** is an excellent barrier against the spread of flames thus protecting occupants and reducing property and environmental damage.

AcoustaCore2 delivers superior acoustical performance! Unlike plastic and foam insulations the non-directional fiber orientation of the fiber help the absorption of acoustic waves and can reduce the intensity and propagation of noise. The higher density of **AcoustaCore2** delivers dramatically better airflow resistance to further diminish sound transmission.

AcoustaCore2 insulation does not off-gas, and it is not affected by thermal cycling. It does not shrink, warp, curl, or cup; the fit remains stable and flush, minimizing thermal bridging. Compressive strength is tested as per ASTM C 165. **AcoustaCore2** achieves a compressive resistance rating of 45.8 kPa (6.64 psi)

AcoustaCore2 challenges the traditional, insulation mindset by offering a **GREEN** product guaranteed to deliver. Not affected by moisture.