

LENDERINK AcoustaCore™ BOARD AND PANELS

**Lightweight
Easy to Use
Safe**

**ENVIRONMENTALLY SAFE
SUPERIOR IN BOTH ACOUSTIC & THERMAL APPLICATIONS
FORMABLE and MOLDABLE
FIRE RETARDED (Class A) | FIBERGLASS FREE
Application | Engineering | Research**

AcoustaCore™ products are available for customer driven applications where environmental consideration, product performance & integrity are a consideration.

LENDERINK TECHNOLOGIES offer a wide selection of AcoustaCore™ products made from predominantly recycled fiber content (Sources include post-consumer and post-industrial). AcoustaCore™ contains 60 – 90% recycled paper, is 100% recyclable and is available for both consumer and industrial applications.

You'll find AcoustaCore™ products at use in:

- Medical, Academic and Office panels, Acoustic panels/inserts
- Insulation components, and any molded, flat-paneled or lofted parts.
- Backers, Inner ply and Overlays
- Walls ■ Ceilings ■ Doors ■ Liners
- Packaging ■ Cushioning ■ Absorbs Shock
- Absorbs oil. AcoustaCore materials proved superior in oil clean up operations. (10#oil to 1# lofted AcoustaCore.)

*This product is **Class A fire-rated**.*

EXTREMELY SAFE AND EASY-TO-USE, AcoustaCore™ **not only replaces**, but in many industry applications acoustically and thermally outperforms its' fiberglass counterparts.



CUSTOM ENGINEERED

AcoustaCore™ products can be custom engineered per application. The material can be soft or semi-rigid, lofted or compressed, with engineered density and precision thicknesses between 4mm and 150mm (approximately 3/16 – 5.9 inches). Scrims, coatings, perforations, or other surface treatments can be applied in line or in flow-type post processing.

Lenderink Technologies is capable of in-line custom coating, cutting to size, roll or sheet stock, any length up to 100" wide and providing a number of post processing operations such as:

- 3-D Custom molding
- NIP Roll, Hot, Cold & Vacuum Press
- FDA Overlays easily applied
- In line and Belt Lamination (Scrim or other)
- Roll Coating
- Spray Applications, any type or color
- Precision water jet, saw, laser and die cutting
- Laminating equipment available

Lenderink Technologies – where sound environmental practices & wise resource stewardship reflect in our products and services.

LENDERINK AcustaCore systems thermally outperform many fiber-glass products by reducing air infiltration. The dense fibers of the cellulose blanket not only reduce air infiltration but control and deaden sound, reducing airborne sound transmission from room to room while blocking outdoor noise for a noticeable quietness.



Dense, mold resistant fibers put an end to room-to-room sound transmission

AcustaCore products are environmentally responsible and sustainable. AcustaCore is manufactured using a combination of recycled and renewable fibers, the majority of which are post-consumer, post-industrial newspaper. The conversion of recycled paper into cellulose fibers keeps paper out of our landfills

where it has the potential to pollute the environment. Not only is LENDERINK AcustaCore completely recyclable, no scrap is produced during production or installation of product.

Product Safety

AcustaCore materials have a **Class A** fire rating and are a safe, easy-to-use building material. AcustaCore does not contain any harmful airborne particles and does not itch or irritate skin like fiber-glass insulation. It can be left exposed or uncovered, can be painted, overlaid, veneered or laminated. AcustaCore is very easy to handle and soft to the touch. As a protection against mold growth Lenderink AcustaCore products contain an EPA registered fungicide to resist the growth of mold.

Other Criteria and Product Characteristics

AcustaCore 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. AcustaCore has met UL-**Class A** fire rating in suspended and laminated configurations with/without cover materials.

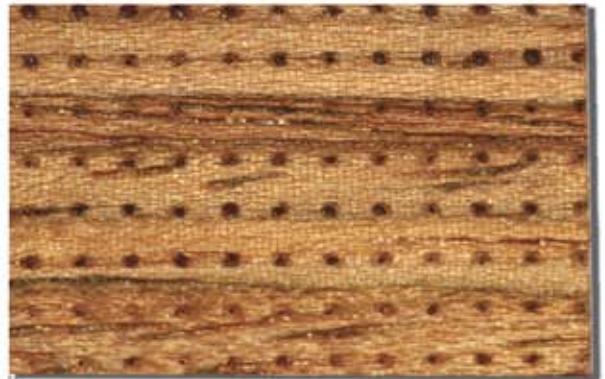
Thermal Performance

Thermal performance as well as other criteria is dependent on many adjustable parameters within the product's capability. Depending on your application design and requirements, Lenderink Technologies can provide the exact solution you need!



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AcustaCore is easily & economically laminated/overlayed -- **in line** -- with many exciting, high performance, high end finishes.



Special perforation patterns enhance the acoustic capabilities of an AcustaCore panel while providing visual interest.



Intricate. Precise. High Design Possibilities.

AcustaCore can be cut not only to size, but also 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".

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#