



ENVIRONMENTAL STATEMENT



CARDINAL
ACOUSTICS[®]

AN ACOUSTICAL WOOD FIBER COMPANY



Cardinal Acoustics is committed to manufacturing our panels with sustainable and renewable raw materials in a safe, non-toxic environment.

CHARACTERISTICS

- Formaldehyde free
- Does not support mold or fungus growth
- Safe for landfills
- No toxic binders
- Renewable wood resources

COMPOSITION

NATURAL OCCURRING MATERIALS

Cardinal Acoustics panels consist of wood fibers from Populus Alba (Poplar Tree), magnesium oxide, magnesium sulphate, silicon dioxide and water.

Poplar Trees are rapid-growing but short lived trees, reaching maturity in 20-25 years and typically die with in 50 years. It is considered good practice to harvest the trees after maturity due to its "invasive" status.

Magnesium oxide is mixed with magnesium sulphate to form the inorganic cement binder. Magnesium is an inorganic solid mineral that occurs naturally. Bonded with either an oxide (oxygen) and/or sulphate (salt).

Silicon dioxide is also a natural occurring compound and is from two of the earths most abundant materials; silicon and oxygen.

LONGEVITY

Cardinal Acoustics panels offer a lifetime warranty on all products. While many other products will have to be replace over the lifespan of a building, replacing Cardinal panels is commonly unnecessary. A lifetime product means less impact on the environment and smaller carbon footprint in the life cycle of a building.

DISPOSAL

Cardinal Panels can be safely discarded into landfills. No special equipment or special handling instructions is required. In addition, Cardinal panels can be used as an composting material. Our panels are non-hazardous and do not require special packaging that require special disposal.



CERTIFICATIONS AND DECLARATIONS



EPD - An Environmental Product Declaration (EPD) is a standardized document informing about a product's potential environmental and human health impact.



HPD - The Health Product Declaration (HPD) Open Standard is a leading tool for reporting and disclosing the contents of building products and associated health information



DECLARE - Declare is a nutrition label for building products. It is designed to help specifiers quickly identify products that meet their project requirements.



USDA BIOPREFERRED - The BiopREFERRED program offers resources to businesses with biobased products including; a voluntary labeling process, a catalog of biobased products, training and education.



FSC CERTIFIED - FSC certification ensures that products come from responsibly managed forests that provide environmental, social and economic benefits.

The mark of responsible forestry



LEED CONTRIBUTION



BUILDING DESIGN AND CONSTRUCTION (BD+C)

Material and Resources (MR)

- Construction and Demolition Waste Management Planning
- Recycled content
- Rapidly Renewable Resources
- Building Product Disclosure and Optimization-Material Ingredients
- Building Life Cycle impact Reduction

Indoor Environmental Quality (EQ)

- Acoustical Performance
- Construction IAQ Plans
- Low-Emitting Materials, Composite Wood and Agri Fiber Products
- Low-emitting Materials, Adhesives and Sealants
- Low Impact Cleaning and Maintenance Equipment Policy

Want to learn more?

Visit cardinalacoustics.com

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