



Manufacturer of LeepCore
“Construction Technology for the 21st Century”

Leading-Edge Earth Products, Inc. (“LEEP” or “Company”) has developed a revolutionary building material that can replace concrete, wood and steel for construction of walls, roofs and floors for residential and commercial low-rise through mid-rise buildings. The Company’s new **LeepCore™ Structural Building Material** makes building structures stronger, lighter, faster to erect, environmentally cleaner and more cost effective than traditional structural building materials.

LeepCore Features and Benefits:

- Weighs only 3-pounds per square foot
- Walls are free-standing, frameless and load-bearing
- Fire resistant
- **Mold-free/proof** construction solution
- Termite proof
- Water proof---will not rot, rust or corrode
- Supports wind and earthquake resistant building designs
- Architectural design flexibility --- easy use of any cladding and finish
- Environment friendly --- does not deplete natural forest resources
- Long lifespan
- Major energy cost savings
- Substantial reductions in construction times and building costs
- Low-cost maintenance

Specifications, Testing and Certifications:

Composite Panel: a fire resistant expanded polyurethane core is permanently bound within a non-combustible steel envelope.



- R25 insulation factor
- Water impermeable
- Dry rot and insect resistant
- High resiliency (bends but does not break)
- Highest strength-to-weight-ratio rating of any structural building component
- Meets or exceeds commercial building codes for free-standing and load-bearing walls up to 12’ in height (unsupported and without frames)
- Supports building designs that meet or exceed wind load and other major building code requirements throughout North America

LeepCore™ is designed to provide multi-directional high-force resistance. The structural properties inherent in a LeepCore™ panel will resist floor and roof (transverse) loads and wall (axial, transverse and in-plane) forces that meet or exceed building code requirements in North America.

LeapCore™ Construction

LeapCore supports a wide variety of construction applications. While weighing only 3 pounds per square foot, LeapCore offers abundant strength to serve as the main structural insulating element to construct floors, roofs and frameless, free-standing, load-bearing walls to Commercial Building Code Standards. LeapCore, thus far, has demonstrated peerless performance characteristics in the field. The following advanced performance characteristics have all been demonstrated:

- Long-term reliability;
- Advanced energy efficiency;
- Buildings designed and built to resist hurricane wind forces;
- Very-fast construction cycles;
- Successful weather envelopes for extreme cold and hot climates;
- Suitable for stringent-code: non-toxic, mold-free, fire-resistant classroom construction.

Following are pictures of buildings using, LeapCore for walls, roofs, and floors. All were built to commercial building code standards:

LeapCore Office Building Twin Falls, Idaho (1997)



First day



Unclad LeapCore surface



Conventional wallboard finishing

Inclement weather structure: superior energy efficiency at temperatures ranging from -20 to +112 degrees, with wide AM/PM temperature gradients; impervious to sandstorms (gusting to 60 MPH;)

LeapCore Modular Building



This prototype building was designed, constructed and disassembled within LEEP's Pennsylvania plant. The exercise demonstrates that a complete high-performance modular-type building (walls, floor and roofs) can be designed with only 14 identical (10' x 10') parts and assembled by two workers in a few hours.

LeepCore Office Building, Metropolitan Houston, Texas (1999)



Two-story office building designed to provide 50% higher energy efficiency than conventional construction, in Houston. Houston has consistent summer high temperatures up to 112 degrees and humidity in the high 90% range. The Houston building also demonstrates ultra-light-weight commercial-code LeepCore floor. The contractor successfully obtained building permits and use permits from the strict Metro-city Building Department in Houston.

LeepCore Pilot Florida Modular Classroom



Demonstrates the ability of LeepCore to support the design and construction of Modular Classrooms that feature: 150 MPH Hurricane force resistance, Advanced Energy Efficiency (beyond building-code requirements), Mold resistance, Light weight, Large frameless-panel section/minimum part-count construction, Fire and Water resistance.

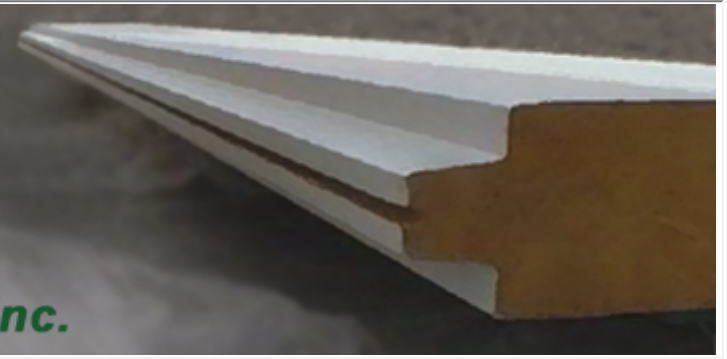
LeepCore Permanent Site-built, 5-building/40-classroom, K/Pre-K Campus in Florida



Demonstrates the ability of LeepCore to support high-quality construction of large, permanent, multiple-classroom buildings that meet or exceed Florida classroom specifications with respect to energy efficiency, low-maintenance factor, hurricane-force wind resistance, mold free/anti molding construction, fire and water resistance and a non-toxic end-building product.



Advanced Construction Technology...**LEEP, Inc.**



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Contact Information

Additional information about LEEP, Inc. and its products may be obtained by calling the Company's national message center at: 1-800-788-3599, or Dick Keating at 206-780-9458; faxing 206-217-9481; calling John Williams, Aberdeen Capital, 1-888-701-5511, or writing to LEEP, Inc., P.O. Box 365, Montoursville, PA 17754. Emails can be sent to: info@leepinc.com