



Hemp Now & on the Horizon

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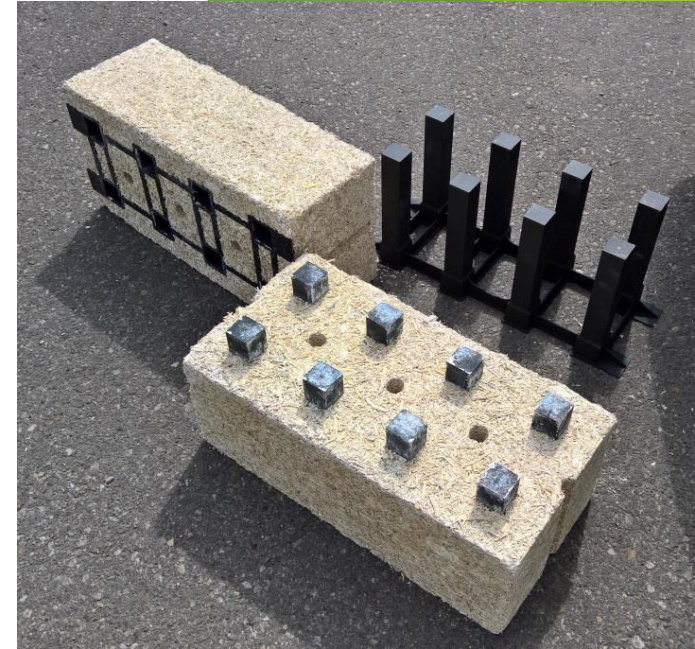


JustBioFiber
Structural Solutions

**Bio Fiber Building System for
Carbon Sequestration and Energy Efficiency**

The Product

- modular building block system for fast flexible construction
- Structural load bearing and weather resistant
- Reduces building energy requirements (Heating & Cooling)
- CO2 sequestering Hemp 6 kg biogenic (captured atmospheric CO2) per block
- 7x more efficient at sequestering atmospheric CO2 than wood
- Lime formulation continually absorbs CO2
- Non Toxic (no volatile organic compounds) and permeable
- Monolithic structure resists seismic and wind loads
- High block alkalinity protects it from mold and insects



The JBF Structural Building Block is Comprised of 3 Components

- **Hemp hurd:** Industrial hemp inner core
- **Lime binder:** calcium hydroxide (hydrated lime) absorbs atmospheric CO₂ as it strengthens
- **Structural frame:** engineered for high lateral loading (wind, earthquakes) and tall wall assemblies (up to 8 floors)

Note: Rapidly renewable hemp grows 20 times faster than trees



Hemp hurd

