



Dimensional Components

Structural Engineered Bamboo

+

Sustainable Building Solutions

“The Strongest and Most Renewable Structural Material in the World”

www.renuteq.com



Technology Overview:

Renewable structural material technology SEB (Structural Engineered Bamboo) products: **RadLam®** is uniquely combined with expertly designed steel hardware to create structural solutions specifically for the client and project requirements.

ReNüTeq provides kitted structures and building solutions made from the most rapidly renewable resource available. SEB (Structural Engineered Bamboo) is integrated seamlessly into commercial buildings/towers, roof structures, solar canopies, structural glazing, and Electric Vehicle Charging Structures.

Sizing | Shape:

- 2x4, 2x6, 2x8, 2x10, 2x12 Nominal
- 3x3, 3x5, 3x6, 3x8, 3x10, 3x12 Actual
- Thickness: - 1.5"(38mm - 3.5"(88.9mm)
- Cross Laminated Panel Width:
- 12" (305mm) to 48"(1.22m)
- Lengths: -8'-0" (2.4m) to 24'-0"(7m)

ReNüTeq® Form™ - Series - RadLam® & Steel Connectors + SEB (Structural Engineered Bamboo)



Highest Performance

RadLam® SEB is over twice the strength of any engineered Timber or Bamboo Product with an MOE of over 4,000 Ksi (27,579 Mpa), and is manufactured in the United States and Fabricated in the USA and Europe. It's proprietary slat materials are sourced from the strongest bamboo species in the world. Guadua is locally sourced from South America, and manufactured per ASTM 5456 Standards.



RadLam® RLB (Radial Laminated Bamboo) Patented Product

Is manufactured into Structural Components and Lam-Stock" for performance structural Glu-Lam and component applications.

Learn more about:

ReNüTeq® Form™ - Series - RadLam® Steel Connectors + SEB (Structural Engineered Bamboo)

ReNüTeq®
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Applications | Sustainability:

The applications for SEB (Structural Engineered Bamboo) products: **RadLam®** range from residential structures to multi-story towers. SEB is an ideal solution where the highest structural performance is required and ultimate aesthetics is a must. The Sustainability Case for SEB is unmatched by any other building product available.

Learn more about **+ReNüTeq Sustainability and Sourcing Practices+**.



Component Applications:

- Gril Systems
- Stair Components: Railing, Risers & Treads
- Wall Framing
- Commercial Shelving Systems
- Pedestal Solutions

Standards | Certifications | Sustainability

- Structural Product Per ASTM 5456
- Complies to ICC-ES - AC47
- Engineered Bamboo ASTM 07.02.03
- Compliant to IBC (International Building Code)
- Certified - Exterior Grade - Type 1 - Adhesives
- Architectural Grade Finishes
- Exterior Rated Structural Materials.
- Conforms to European Norms

LEED V- 4 - BREEAM Qualified

- MRc1 - Building Life Cycle Impact Reduction
- MRc3 - Building Product Disclosure - Sourcing
- EQc2- Low Emitting Materials (No added formaldehyde)
- INc1 - Innovation in Design -(Life Cycle/Environment Impact)



ReNüTeq has **implemented** patented technology that focuses on optimizing the highest performance fiber of the culm utilizing the highest **performance** species of bamboo in the world: **Guadua** sourced from Latin America is the largest and fastest growing, and is over **2 times stronger** than any other bamboo species making ReNüTeq's SEB (Structural Engineered Bamboo) products the strongest natural resource for the building industry.

ReNüTeq is the world's technology leader for structural engineered bamboo for structural and performance applications with operations in the USA, Europe, and South America.