

sugarcrete® ACOUSTIC BOARD



Sugarcrete® Acoustic Board is a bio-based material made from sugarcane bagasse fibers and biodegradable mineral binders. Developed by researchers from the University of East London's Sustainability Research Institute, and further refined in partnership with **BAGACEIRA**, the board combines acoustic and thermal performance with circular design. They are durable, free from synthetic resins and VOCs, fire-resistant, and fully recyclable or compostable at end of life. By storing carbon absorbed during sugarcane growth and avoiding the burning of bagasse waste, Sugarcrete® Acoustic Board provides designers with a low-carbon, safe, and versatile solution for interior acoustic treatments wall cladding, and partitions. **BAGACEIRA** has developed the material's color library using mineral based pigments for visible interior applications, transforming the natural fibrous texture into expressive surfaces.

MATERIAL PROPERTIES

Acoustic absorption ($\alpha_w=0.95$, Class A)

Thermal insulation ($\lambda = 0.07$ W/mK)

Fire-resistant (Class B-s1 d0)

Lightweight (524 kg/m^3)

Biodegradable / compostable

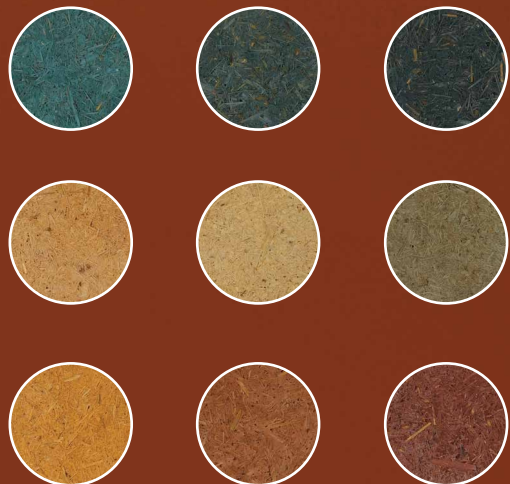
VOC-free

Vapour permeable / hygroscopic regulation

Sturdy (compressive strength 2 MPa)

NATURAL TONES

Full color library available upon request.



POSSIBLE APPLICATIONS

Thermal Insulation

Acoustic wall panels

Interior wall cladding

Internal partitions

Decorative / Sculptural installations

For more info on the material properties and possibilities visit: www.uel.ac.uk/sugarcrete

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