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Straw Board Panel in Interior Design: A Sustainable and Versatile Material

Nikita Takhar¹, Ar. Wafa Rasheed², Ar Kirti Varandani³

Poomima Univerity,Vvidhani Vatika road, Sitapura, Rajasthan

Email ID- serviceheb@gmail.com

ABSTRACT:

For interior design applications, straw board panels provide a sustainable alternative by making use of agricultural waste like straw. This research explores the benefits straw board panels have on the environment when used indoors. These panels lessen agricultural waste and cut down on carbon emissions by reusing straw, a plentiful and renewable material. Straw board panels are also more environmentally friendly because their production requires less water and energy than those of conventional materials like plywood or particleboard.

Straw board panels also have good thermal and acoustic qualities, which improve interior comfort and lessen the need for separate heating and cooling systems. Because of their capacity for insulation, they support sustainable construction practices by increasing energy efficiency. Straw board panels' lightweight design also makes them easy to transport and install, which lowers expenses and emissions associated with construction.

Straw board panels provide interior designers with an adaptable canvas in terms of aesthetics and design versatility. They are easily finished and modified to fit a variety of tastes and styles, from rustic chic to modern minimalist. Straw board panels can also be utilized for a variety of purposes, including furniture, ceiling panels, and wall cladding, which gives interior spaces a hint of sustainability. In general, using straw board panels encourages sustainability in a number of areas, such as the social, economic, and environmental domains. Designers and architects may support sustainable agricultural and rural livelihoods while also fostering healthier and more resilient building environments by including these eco-friendly materials into their interior design projects.

Keywords— *sustainability, sustainability in material, thermal & acoustic, sustainable construction, modern minimalist, eco-freindly*

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