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## A Review Report on Physical and Mechanical Properties of Particle Boards from organic Waste

L. Muruganandam<sup>1</sup>, J. Ranjitha<sup>2</sup> and A. Harshavardhan<sup>3\*</sup>

CO2 Research and Green Technologies Centre, SMBS, VIT University,  
Vellore – 632014, India

**Abstract:** Environmental friendly or green building materials are becoming more widely used as our society becomes aware of harmful consequences associated with the use of standard practises in industrial production. This leads to growing tendency of recycling of waste materials and using them production of particle boards. Particle Boards are produced from Municipal solid waste, agro-waste materials such as rice husk, jute sticks, waste wood, sugarcane waste, kitchen waste etc. The physical and mechanical properties such as high board density, high surface hardness, abrasion resistance, tensile strength play a vital role in the efficient usage of them for domestic and industrial purposes. All these properties majorly depend on the kind of raw material used and these properties may be improved for the quality betterment of the products and also their applications can be extended. The present study reviews about the different raw materials used for particle board production and their varied properties for improving their quality and wide applications.

**Keywords:** Particle Boards, Drying, Hydraulic Press, Environmental Friendly.

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