



ECOVON BOARDS DATA SHEET



TECHNICAL DATA :

	Typical Value	Unit
Density	1.3 – 1.4	g/cm ³
Moisture	6.50-15	%
Glue shear strength	1720	N/mm ²
Water resistance	No delamination	8 hrs. boiling
Tensile strength	23.6	N/ mm ²
Compressive strength	51.02	N/ mm ²
Modulus of elasticity	6440	N/ mm ²
Modulus of rupture	47.5	N/ mm ²
Nail holding power	50	kg
Screw holding power	245	kg
Surface strength	30	kg/ cm ²
Strength	50	MPa

Stiffness	5	GPa
-----------	---	-----

PRODUCT PROPERTIES

- Ecovon coir-composites are binder less board.
- Stronger as it is made of fibre known for its strength and load bearing properties.
- Attractive natural look and can be used as it is.
- Painted, polished or laminated.
- Water proof with minimum surface absorption.
- It is inexpensive. The glue that has to be added when boards based on wood fibre are made contributes to one third of the total production costs. Glue is not required in our technology to process coconut husk into board material.
- Good smooth appearance on both sides.
- Strong and rigid.
- Terminate and insect resistant.
- Flame Retardant.
- Can be Nailed, Screwed and cut sharply.
- Interior of furniture and cabinets made with coir ply need not be painted or polished.
- Environmental friendly.

APPLICATION AREAS

- Building industry as doors, door inserts, door frames, wall panelling, flooring, false roofing, partition panels, roofing sheets etc.
- Furniture industry as table, chairs, wardrobes, computer table, cot, TV cabinets, dining table, table tops for cafeteria, school benches etc.
- Automotive industry as backing for seats, roof insulation boards, side door paneling, Railway seats, walls, roof etc