



PRODUCT DATA SHEET

Greenfield bioboards

Made from residue wheat straw fibers and wood waste

Thickness:	9mm, 12mm, 15mm, 18mm, 25mm
Density:	650 kg/m ³
Composition:	made from natural wheat straw fibers and wood waste fibers
Glue:	MDI resin (formaldehyde free)
Environmental standard:	E ₀ , CARB NAF

Features

- Nontoxic and free from formaldehyde
- 95% biobased content (15% wheat straw, 80% wood waste fibers, 5% MDI resin)
- High moisture resistant
- Age resistance
- Superior workability & good screw holding ability
- Termite or vermin prevention
- 100% recyclable

Applications

Greenfield bioboards can be used for interior applications, such as

- Furniture
- Interiors
- Wall cladding
- Partitions
- Ceilings
- Flooring
- Timber construction systems
- Doors

Data sheet (January 2021)

PROPERTY	REFERENCE TEST	UNIT	GREENFIELD BIOBOARD (2440 x 1220 x 18 mm)
Density	EN 323	Kg/m ³	650
Density deviation		%	+/- 3
Internal bond strength	EN 319	Mpa	0,52
Static bending strength	EN 310	Mpa	13,68
Bending strength	EN 310	Mpa	2.292
Surface bond	EN 311	Mpa	1,13
Modulus of elasticity in bending	EN 310	MPA	2186
Vertical screw holding ability		N	1.127
Parallel screw holding ability		N	769
Thickness swelling (2 hours)	EN 317	%	<3
Moisture content	EN 322	%	6
Formaldehyde release amount	Eo	Mg/100g	0,08
Resistance to fire		Class	D-s2-do
Tolerance on thickness	EN 324-1	mm	+/-0,3
Tolerance on length	EN 324-1	mm	+/-2
Tolerance on width	EN 324-1	mm	+/-2
Straightness of edges	EN 324-2	mm/m	<1
Squareness	EN 324-2	mm/m	<3
Source			China



Storage & Handling

INSTRUCTIONS

Do not store or use outdoors

Store indoors in a well-ventilated, clean, dry area that is free of dust, dirt or contaminate particles

Store horizontally on a level, hard, dry surface, clear of the floor by use of dry bearers

Individual bearers should be vertically aligned and of equal thickness and placed at not more than 800 mm centers for boards of 15 mm thickness and upwards, subject to a minimum of three bearers. Closer spacing, for instance 50 times board thickness, is recommended for thinner boards.

Vertical storage of small numbers of boards is acceptable provided the boards are well supported and placed in a close to vertical position.

The storage area should be well ventilated and the conditions should be reasonably dry. An average relative humidity of 50% rh will maintain board moisture content in the range 7 - 9%.

Before use, allow to stabilize to the same conditions expected after installation

Condition 48-72 hours prior to lamination

One or two scrap boards should be placed on top of stacked boards and panels as they progress through the factory or during any, prolonged storage period to eliminate any unbalancing effects of any short term changes in environmental conditions.



Contact us

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