

Jute Particle Board



WE MAKE BOARDS TO

FURNISH
YOUR WORLD



Wooden Particle Board

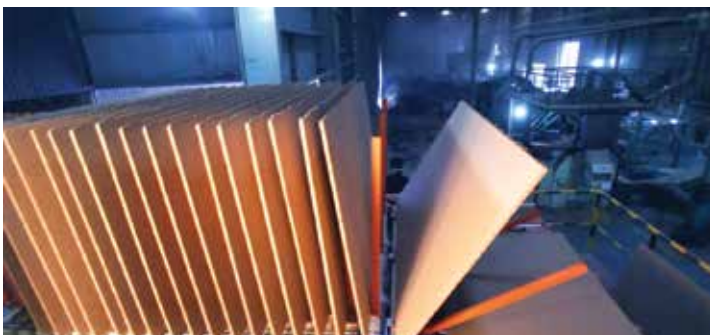
 **PARTEX**TM **BOARDS**
Country's best product from Star since 1962



Jute is the most important cash crop of Bangladesh. Jute is a crop of Rainy season. It is sown from March to May and harvested in June to September.

The harvested plants are left in field for 3 days for the leaves to shed. And then soaked in the water for about 20 days to loosen the fiber. The fiber is washed with water and squeezed for dehydration and allowed to dry on bamboo poles. Jute sticks are dehydrated under the sun and later those sticks are supplied to the jute Particle Board manufacturing companies.

Bangladesh is the second largest Jute producer after India, and followed by China. Quality-wise Bangladesh produces the best quality Jute (Tossa Jute) and holds 70% of the world's export market.



German State of The Art Technology
is used to produce Jute Particle Board

Once upon a time Jute stick was used only as fuel.

As a pioneer, Star Particle Board Mills Ltd. thought to use it for commercial purpose and started producing Plain Particle Board with Jute Stick. Now Jute Particle Board is widely used as a substitute of wood in Bangladesh. Its consequence is saving of over 50 thousand matured trees every year.

Jute Particle Board

Jute Particle Board is an engineered Jute Stick-based product manufactured from jute stick chips and a synthetic binding resin. The Board is formed in a press using heat and pressure. Jute Particle Board is used as core material of Veneered Board. Surfaces of Jute Particle Board are covered with veneer sheet to produce Veneered Board. Jute Particle Board is also used as core material of Filled door and Vinyl Board.

Jutex

Standard size : 8' X 4' (2440mm X 1220mm)

Thickness : 8mm, 12mm, 16mm, 18mm, 25mm, 35mm, 36mm & 44mm

Advantages

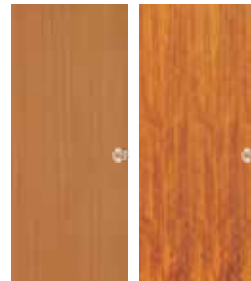
1. Jute Particle Board is an environment friendly product. It saves huge quantity of matured trees as its key ingredient is agro waste.
2. In Jute Particle Board, jute chips are distributed: coarse chips in the middle of the board to gradually fine chips on the surfaces of the board. So it is sturdy and strong from the aspect of shape and structure and its surfaces are also very smooth.
3. It is of lightweight so it does not require much expenditure for making structure.
4. It contains sound and heat absorption quality.
5. It is of borer resistance.
6. It has high screw holding capacity.
7. It is used as filler of door because of its light weight.
8. Since it is a natural product, it decomposes well. So it is environmental friendly and not harmful for health.

MAIN PROPERTIES OF JUTE PARTICLE BOARD

PROPERTIES	UNIT	JUTEX	TEST BY EN STD
BASIC RAW MATERIAL	-	JUTE STICK CHIPS	-
THICKNESS TOLERANCE	mm	± 0.4	EN 324 - 1
LENGTH AND WIDTH TOLERANCES	mm	± 5	EN 324 - 1
DENSITY OF BOARD	Kg/m ³	500 - 575	EN - 323
MOISTURE CONTENT	%	5-15	EN - 322
BENDING STRENGTH	N/mm ² (min)	9	EN - 310
INTERNAL BOND/ TENSILE STRENGTH	N/mm ² (min)	0.35	EN - 319
SURFACE SOUNDNESS	N/mm ² (min)	0.65	EN - 311
SCREW HOLDING, EDGE	N (min)	360	EN - 320
EMISSION LEVEL*	-	Class E1/E2	EN - 120

*Emission Level may be reduced as per demand

Usages of Jute Particle Board



Wall, Office Partition & Furniture

Flush Door

Veneered Board



In Bangladesh, furniture & interior decorations were being produced by wood only. **Star Particle Board Mills Ltd** first took initiative to produce Wooden Particle Board by using wood waste. At present wooden particle board is used widely as substitute of wood. This initiative has helped to reduce the degree of deforestation in Bangladesh.

Wooden Particle Board

Wooden Particle board is an engineered wood-based product manufactured from wood chips and a synthetic binding resin. The board is formed in a press using heat and pressure. Wooden Plain board is laminated on both sides in a German state of the art machine to produce international standard laminated board i.e. Melamine Faced Chip board.



Wooden

Standard size : 8' X 4' (2440mm X 1220mm)

Thickness : 12mm, 16mm, 18mm, & 25mm



German State of the Art Technology
is used to produce Partex Wooden Particle Board



MAIN PROPERTIES OF WOODEN PARTICLE BOARD

PROPERTIES	UNIT	WOODEX	TEST BY EN STD
BASIC RAW MATERIAL	-	WOOD CHIPS	-
THICKNESS TOLERANCE	mm	± 0.4	EN 324 - 1
LENGTH AND WIDTH TOLERANCES	mm	± 5	EN 324 - 1
DENSITY OF BOARD	Kg/m3	650 - 725	EN - 323
MOISTURE CONTENT	%	5-13	EN - 322
BENDING STRENGTH	N/mm2 (min)	13.8	EN - 310
INTERNAL BOND/ TENSILE STRENGTH	N/mm2 (min)	0.35	EN - 319
SURFACE SOUNDNESS	N/mm2 (min)	0.8	EN - 311
SCREW HOLDING, EDGE	N (min)	360	EN - 320
EMISSION LEVEL*	-	Class E1/E2	EN - 120

*Emission Level may be reduced as per demand





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