Board sizes

NFB is always striving to manufacture products that meet customer needs and satisfaction. Our wide ranges of fiberboard panels are available in multiple sizes, thicknesses

Board thickness : 2 -30 mm

- **3660×1830 mm**
- **2440×1830 mm**
- **2440×1220 mm**
- **1830×1220 mm**
- **2440 ×610 mm**

OUR MDF / HDF PANELS CHARACTERISTICS

Our MDF / HDF panels are characterized by features :

- Smooth and elegant surface ideal for painting, molding, and laminating .
- Uniform density, high bonding strength and static stability .
- Unlike solid wood panel free from knots and cracks.
- Eco-friendly made from sustainable raw material.
- Unlike plywood MDF/HDF panels are easy to cut and machine.
- Unlike solid wood and plywood panel MDF/HDF panels are resistible to Wrapping.

ENTERNAL USES - MDF

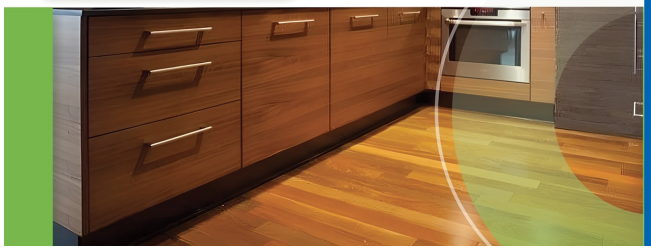
- Kitchen manufacturing .
- Furniture such as cabinets, tables and shelves.
- Office furniture and cupboards.
- Bedroom units - Wardrobes.
- TV units and decoration

INTERIOR FINISHES

- such as moldings, door and window frames.
- Craft and Art Projects .
- Walls and Backsplashes .
- Partitions and Suspended Ceilings.

EXTERNAL USES - HDF

- High density fiberboard panels are used in the manufacture of flooring.
- In construction and building works. Manufacturing cabinets, booths and
- mobile buildings (caravans).



SUSTAINABILITY

Our fiberboard panels are sustainable products created from waste fiber as renewable raw material and biodegradable utilize in manufacturing of value added products instead of burring it to avoid its dangerous environmental impacts:

- Sugarcane bagasse byproduct resulted from sugar extraction process.
- Palm fronds wastes resulted from annually pruning and cleaning of palm trees.
- Sorghum stalks a waste fiber resulted from sorghum crops.
- Pruning waste resulted from citrus trees.

ENVIRONMENTAL

Environmental issues are our prior concern, NFB is committed to create and produce fiberboard panel with zero waste. wastes are recycling as compost and fuel pellets. Dust is controlled by deducing system utilize for heat power generation through a high-performance ecopower plant and recycling of process water in high efficiency influent treatment plant. NFB committed to pursuing a path of continual improvement in environmental management.

CERTIFICATES

- Quality mark of Egyptian quality and standard
- ISO 9001/2015

NAG-HAMADY FIBERBOARD COMPANY. (S.A.E)

The pioneer company in production fiberboard panels (MDF-HDF)

Over 25 years of experience

In manufacturing of fiberboard panels based on sustainable materials

"Quality, sustainability, and environment are our commitment"

CONTACT US....

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Nag-Hamady fiberboard company, (NFB) is a pioneer company in the Middle East and Africa in the manufacture of fiberboard panels based on sugarcane bagasse by-product of Deshna Sugar Factory located at Deshna city which belongs to Qena governorate, upper Egypt .

Unlike traditional fiberboard plants that used natural wood as raw material by cutting natural trees, which helps in the occurrence of global warming , we only use sustainable raw materials such as sugarcane bagasse, palm fiber, sorghum stalks and citrus tree wastes as well. Consequently, our fiberboard panels are eco-friendly sustainable product.

Our experience in production of fiberboard panels based on renewable green raw material is over 25 years, our priority is to our commitment to produce high quality boards, competitive prices, customers satisfactory, sustainability and environment.

Our fiberboard panels production serves the high-end furniture makers and construction industry, both for domestic and overseas market.

NFB

OUR VISION

Our vision is to produce sustainable and eco-friendly MDF/HDF panels as added value product through utilization of sugarcane bagasse as a renewable raw material for fiberboard panels production. Fulfillment of our local market requirements and overseas market.

OUR MISSION

- Our mission is to adhere to all requirements to achieve our company vision.
- Our management team is always focused and takes full responsibility to ensure that our customers' requirements are met to maintain the success of the company with competitive prices, high quality board panels and eco-friendly products.
- Insurance of sustainable raw material supply.
- Possession of high quality and performance machinery equipment.
- Empowering of research, development, creation & innovations.
- sustainability and environmental adherence.

MANUFACTURING PROCESS

NFB produces fiberboard panels based on sustainable raw material to meet the requirements of international standard, thanks to German technology supplied by world's largest and most famous supplier "Siempelkamp "

SPECIFICATIONS

The physical and mechanical properties requirements for MDF/HDF panels produced according to Egyptian standards No. 3578 p_2-p_3/2010 which is equivalent to the European standard specifications EN 622p_1-p_5/2006 according to its uses.

ENTERAL USE SPECIFICATIONS (MDF)

Board thickness: 2-30 mm

Requirements for general use for MDF panels in dry conditions

Property	Unit	Ranges of nominal thickness (mm)								
		1.8 2.5-	>2.5 4-	>4 6-	>6 9-	>9 12-	>12 19-	>19 30-	>30 45-	> 45
Swelling in thickness 24h	%	45	35	30	17	15	12	10	8	6
Internal bond	N/mm²	0.65	0.65	0.65	0.65	0.60	0.55	0.55	0.50	0.50
Bending strength	N/mm²	23	23	23	23	22	20	18	17	15
Modulus of elasticity in banding	N/mm²	-	-	2700	2700	2500	2200	2100	1900	1700
Moisture content	%	4-11								
Density	Kg/m³	640-800								

External USE SPECIFICATIONS (HDF)

Board thickness: 2-16 mm

Requirements for load- bearing boards for use in humid conditions (MDF-HLS)

Property	Unit	test method	Ranges of nominal thickness (mm)								
			1.8 2.5-	>2.5 4-	>4 6-	>6 9-	>9 12-	>12 19-	>19 30-	>30 45-	> 45
Swelling in thickness 24h	%	EN 317	35	30	18	12	10	8	7	7	6
Internal bond	N/mm²	EN 319	0.70	0.70	0.70	0.80	0.80	0.75	0.75	0.70	0.60
Bending strength	N/mm²	EN 310	34	34	34	34	32	30	28	21	19
Modulus of elasticity in banding	N/mm²	EN 310	3000	3000	3000	3000	2800	2700	2600	2400	2200
Option 1 Swelling in thickness after cycling testing	%	EN 317 EN 321	50	40	25	19	16	15	15	15	15
Internal bond after cycling testing	N/mm²	EN 319 EN 321	0.35	0.35	0.35	0.30	0.25	0.20	0.15	0.10	0.10
Option 2 Internal bond after boil test	N/mm²	EN 319 EN 1087-1	0.20	0.20	0.20	0.15	0.15	0.12	0.12	0.10	0.10