



An eco-friendly beginning

If we go on depleting our forest resources for our various needs, there will come a time when trees will become a piece to exhibit rather than something that you see outside your window.

Shirdi Industries Ltd. has come out with an eco-friendly range of products for the interior industry.

Till recently plywood replaced substantial use of solid wood in the burgeoning furniture industry. However, in the manufacture of plywood, it is difficult to use the roots, branches, upper top, and the interior core of the timber and there are limitations in size, core gap, uniformity, and workmanship of plywood for mass production. Moreover, this leads to cutting of trees and adversely affects the ecological balance.

Therefore, in recent past, the use of plywood has been replaced with Particle Boards and MDF Boards worldwide, wherein over 95% of wood available in tree can be used for manufacture of these boards. This is possible due to the process of chipping in the place of peeling and proves to be highly economical, speedy, exceptional as well as eco-friendly.



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Shirdi Industries Ltd.

(An ISO 9001 : 2008 Certified Company)

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- SF No. 170/2, Annur, Dist - Coimbatore, TamilNadu.
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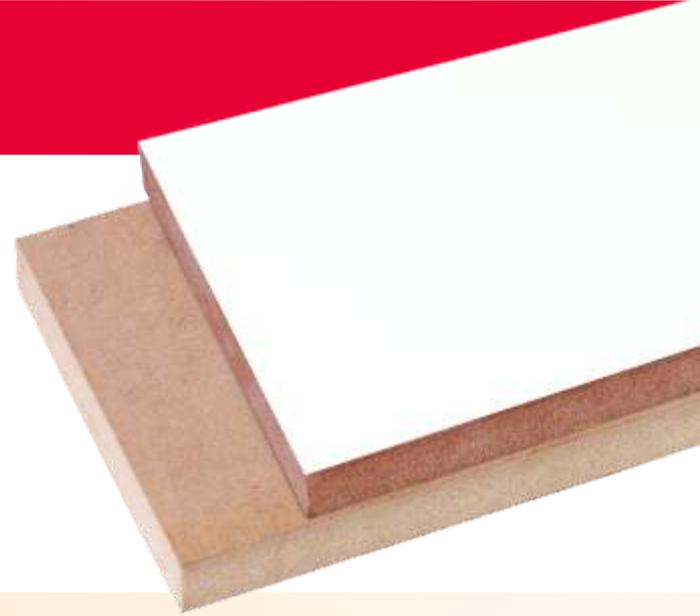


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Physical and Mechanical Properties of Plain & Prelaminated Medium Density Fibre Boards (MDF)

SR. NO.	PROPERTIES	UNIT	IS 12406		IS 14587	
			Grade II	Grade I	Grade II	Grade I
1	Density	Kg/m ³	600-900	600-900	600-900	600-900
2	Density Variation	%	±10	±10	±10	±10
3	Moisture Content	%	5 to 10	5 to 10	5 to 10	5 to 10
4	Water Absorption	%				
	2 Hours		9	6	9	6
	24 Hours				18	12
	Up to and including 6mm thick		45	30		
	7 to 12 mm thick		30	20		
	13 to 19 mm thick		20	13		
	20 mm thick and above		18	12		
5	Thickness Swelling, 2 Hrs	%			7	4
6	Swelling (expansion) in water after 24 hours soaking	%				
	Thickness		7	4		
	Length		0.4	0.3		
	Width		0.4	0.3		
7	Swelling Due to Surface Absorption	%	5	4		
8	Modulus of Rupture					
	Up to 20mm thickness	N/mm ²	28	28	28	28
	Above 20mm thickness		25	25	25	25
9	Tensile Strength Perpendicular to Surface					
	Up to 20mm thickness	N/mm ²	0.8	0.9	0.8	0.9
	Above 20mm thickness		0.7	0.8	0.7	0.8
10	Tensile Strength Perpendicular to Surface					
	a) After cyclic test	N/mm ²		0.45		0.45
	b) Accelerated water resistance test			0.3		0.3
11	Screw Withdrawal Strength	N				
	Face		1500	1500	1500	1500
	Edge		1250	1250	1250	1250
12	Abrasion Resistance	Revolution				
	Type I				1000	1000
	Type II				450	450
	Type III				250	250
	Type IV				75	75
13	Modulus of Elasticity (MOE)					
	Up to 20mm thick	N/mm ²	2800	2800	2800	2800
	Above 20mm thick		2500	2500	2500	2500

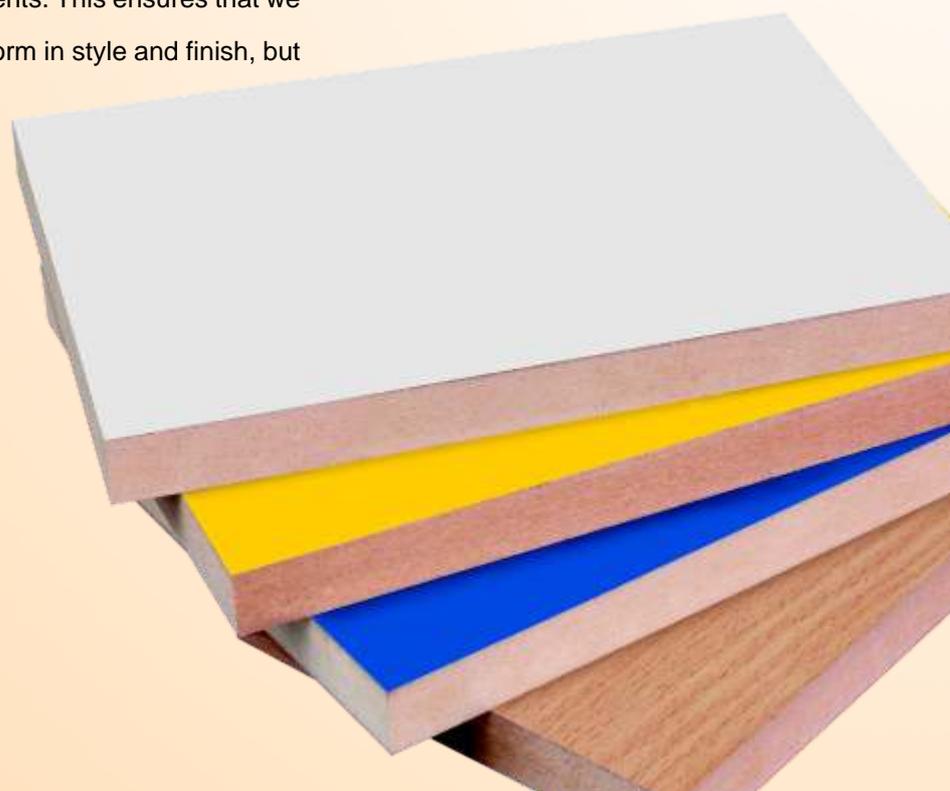


ASIS, a large-scale hi-tech business enterprise, is one of the largest company specialized in manufacturing medium density fiber boards (MDF) in India.

Today ASIS is the top-of-the-mind-recall brand in the industry. This recall is well set to get further reinforced in consumers everywhere, thanks to our newest venture in Uttarakhand. Our state-of-the-art manufacturing plant in verdant Uttarakhand is the largest and most modern of its type in the country.

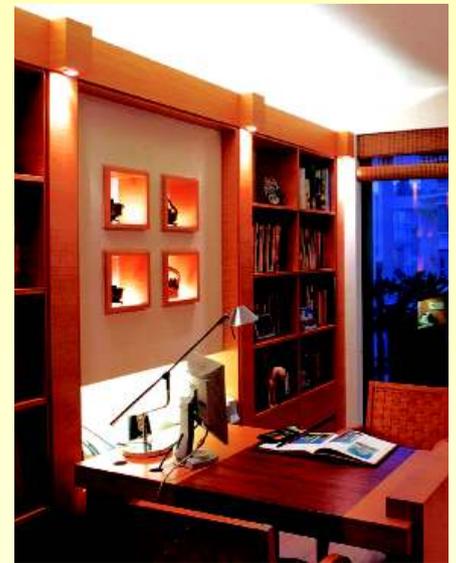
The only integrated solutions creator for the interior and furnishing industries in India, our plant manufactures every conceivable type of medium density fiberboard, particle board, decorative laminates, doors and door skins, laminated flooring and other important furniture components. This ensures that we not only deliver products that are uniform in style and finish, but also ensure a continuous supply and hassle-free inventory management for the stockist.

All our products conform to BIS standards, European standards and the ECO MARK. We are also proud of the fact that our entire operation runs on the world-renowned MySap ERP systems.





Medium density fiberboard is the newest development in the wood panel industry and is made from wood or other lignocellulosic materials, refined into fibers and reconstituted with a resin binder (glue) carried out at elevated temperatures and pressure; sanded to uniform and precise thickness to get best quality plain and prelaminated MDF boards. The raw wood material can be in almost any form or species and in almost any mixture such as low grade wood species, branches, small diameter trees, hardwood, softwood, mill waste and forestry waste chips.



OUR ADVANTAGES

ASIS MDF is manufactured with most modern brand new world-class machineries which ensure quality in continuity.

ASIS PRELAMINATED MDF is available in a wide range of shades in pastel & wood grain from 9 mm to 25 mm in Exterior and Interior grades and in variants of one-side and both-side laminations.

ASIS PRELAMINATED MDF is resistant to abrasion, household chemicals, steam, cigarette burns and cracking.

As the laminated decorative paper forms an integral part of the board, even under adverse usage no de-lamination occurs on ASIS MDF.

ASIS MDF can be used as a core substrate material for paneling with veneers, printed surfaces, vinyl and low pressure laminates due to its dimensional stability and smoothness.

ASIS MDF is resistant to termite, borer, fungus, fire, warp, moisture and compression.

ASIS MDF is dimensionally stable with close tolerances and screw holding abilities. It does not have grain-telegraph.

In ASIS MDF individual raw wood elements cannot be identified in the finished board. This is due to the fiber sizing process.

ASIS MDF has a homogeneous structure with uniform texture and properties throughout.

There are no identifiable grains or knots seen at the edge, end or face nor any internal voids or pits or variation in surface hardness on ASIS MDF.

ASIS MDF is easier to machine and can be laminated and painted to produce almost any board finish.

ASIS MDF can be sawed, nailed, stapled, routed, sanded, screwed and shaped very evenly and smoothly.

Mechanical and physical properties of ASIS MDF compete with the properties of natural wood.

ASIS MDF is light in colour which permits the application of very thin laminates without the underlying board colour darkening the laminate.

ASIS MDF has a good bonding strength and resistance to compression, and so can be used for applications like flooring, partitions and table tops.

ASIS MDF is Eco-friendly.

ASIS PLAIN AND PRELAMINATED MDF conforms to Indian and International standards.

ASIS MDF has high internal bond and thus high modulus of rupture.

ASIS MDF edges do not split as it has a solid core.

APPLICATIONS

Building and Construction: Partition panel inserts, Panel inserts for panel doors and flush door shutters, Cavity flooring, Ceiling, Flooring, Paneling, Door, Moulding, Cornice, Pelmet, Skirting, etc.

Furniture: Modular furniture, Computer tables, Workstations, Cupboard shutters, Dual desks for primary schools, TV cabinets, etc.

Industrial: Laminate substrate, Scientific instruments, Musical instruments, Stationery items, Office equipments, Speaker boxes, Fridge & Sewing machine tops, Package, Shoe heels, Toys, Sports goods, Pool tables, Cutouts, Photo lamination base, Engineering drawing board, Wall clock cabinets, Pallet boxes for packing, Moulds and dies, Skirting, Cornices, Handrails, Clocks, Trophies, Blackboards, Interiors of buses and railway coaches, etc.

Handicraft: Artifacts, Sculptures, Decorative items, Carving, Routing, Moulding.



RANGE OF PRODUCTS

Thickness : 9mm, 12mm, 15mm, 18mm, 25mm.

Size : 8' x 4'

Grades : Grade I - Exterior Grade
Grade II - Interior Grade

Types : IS 12406: Plain MDF
IS 14587: Prelaminated MDF