



pinepanels
HIGH DENSITY MDF



 **eximcorp**
INDIA PRIVATE LIMITED

pinepanels

PREMIUM PANELS

Introduction

Pinepanels™ High Density MDF is recognised as the most innovative MDF in the Indian market for its consistency with clean and sharp edges of uniform density and superb machining characteristics, Pinepanels™ High Density MDF is stable will not warp or buckle under normal conditions. Its extremely smooth and non-porous surfaces provide a perfect substrate for paints, veneers and any kind of overlays.



Pinepanels™ High Density MDF Panels enjoys distinction in following attributes.

Highlights

Light & bright
in appearance

Precision
engineered

Dimensional
Stability

Homogeneity &
uniform density

High Paintability
& Routability

Lamination &
Direct Printing



CARB
COMPLIANT



Pinepanels™ High Density MDF

- Is accredited to JAS up to Japanese F☆☆☆☆ on formaldehyde emission.
- Also conforms to Formaldehyde emission standards of European E-1
- Is also available to comply with European E-0 standard on Formaldehyde emissions.
- Is compliant California ARB Regulation 93120.0 on formaldehyde emissions.

Applications

- Cabinets
- Doors Core
- Engraving
- Fixtures
- Furniture
- Mouldings
- Interior Design
- Laminating
- Painiting
- PCB
- Printing



Thickness

1.6mm to 50mm

Dimensions

2440mm x 1220mm

2440mm x 1830mm

**& several other customised options
upto 6 meters in length**





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Radiata Pine being softwood yields light weight fibers, more or less uniform in its density which ensures a significantly higher compression of fiber and resin when compared to same density of Panel made from hardwood like Rubberwood or Poplar, Eucalyptus or Re-cycled wood fibers. Usage of super low formaldehyde emission UF or MUF resin makes it an environment friendly and safe product for your home and office.

Advantages of Pinepanels High Density MDF

Pinepanels™ is application driven High Density MDF, engineered to meet the challenges in design and performance by the mills in Australia, New Zealand, Chile and Argentina.

Pinepanels™ High Density MDF is brightest in the market in color and appearance. This ensures fewer colors application to achieve desired finish.

Super low formaldehyde emission properties of Pinepanels MDF enables you to save on added fuel cost in air-conditioning by maintaining the normal Air Replacement Rate to keep your indoor air quality fresh and healthy as against a highly accelerated Air Replacement rate to keep the indoor air free from toxicity.

It is unrivaled in its quality and performance. Pinepanels™ MDF is the hallmark of consumer's confidence in the market today.

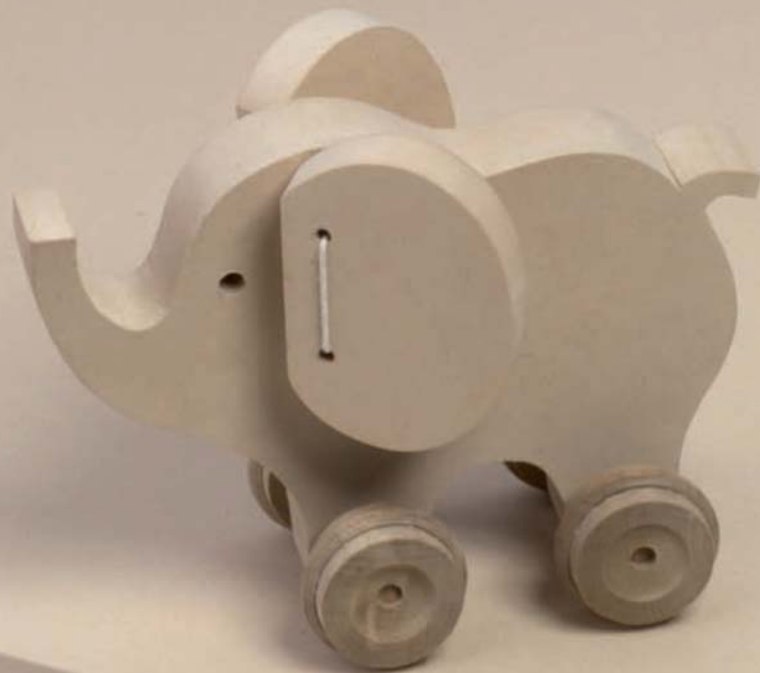


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Health & Safety

Pinepanels High Density MDF is safe to use at homes and offices. Several environmental hazardous substances emissions are present in any industrial product including MDF. The Table below demonstrates the limits on such emissions which is universally accepted as the safe limits on emissions of environmentally hazardous substances and conforms to European RoHS standards and requirements.



Environmental Hazardous Substances (EHS)	Quantity specification
Cadmium and its compounds (Cd)	< 2 ppm
Lead and its compounds (Pb)	< 50 ppm
Mercury and its compounds (Hg)	< 2 ppm
Hexavalent chromium and its compounds (Cr+6)	< 2 ppm
Polybrominated biphenyls (PBB)	< 5 ppm
Polybrominated diphenylethers (PBDE)	< 5 ppm
Polychlorinated biphenyls	< 0.5 ppm
Polychlorinated naphthalene	< 5 ppm
Chlorinated paraffin	< 1 ppm
Mirex (Perchlordecone)	< 4 ppm
Organic tin compounds, (Tributy tin compounds, Triphenyl tin compounds)	< 0.03 ppm
Asbestos	Negative
Azo Compounds	< 3 ppm
Formaldehyde	< 0.2 ppm (CARB P1) < 0.11 ppm (CARB P2)
Polyvinyl chloride and PVC blends	Negative
Halodioxins	< 0.1 ppb
Ozone depleting substances	< 1 ppm
Halogen element	Halogen free Material < 900 ppm
Nickel and its compounds	To be defined

Structural and Dimensional Properties

Properties	Thin (1.6 mm to <7mm)	Thick (9mm to 50mm)
Moisture Content	9% and variable on atmospheric humidity	Max: 9% and variable on atmospheric humidity
Density range	800 - 900 kg m ³	660 - 750 kg m ³
Thickness tolerance :		
Between Panels	+/- 0.125mm	+/- 0.125mm
Within Panels	+/- 0.125mm	+/- 0.125mm
Modulus of rupture	28.9 N/mm ²	40 - 30 N/mm ²
Modulus of elasticity	2900 - 3300 N/mm ²	3200 - 1000 N/mm ²
Internal bond	1.4 - 1 N/mm ²	0.90 - 0.70 N/mm ²
Linear expansion	< 0.33%	< 0.33%
Formaldehyde emissions	< 0.1 ppm	< 0.1 ppm

Compliant CARB ARB Regulation 93120.2



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