



Thinline, Liteboard & Regular Density MDF





GoldenEdge Medium Density Fibreboard is produced from high quality plantation grown Radiata Pine fibre - a renewable resource which helps to preserve our natural environment.



Thinline

Applications, uses, installation & finishing

Description

GoldenEdge Thinline Medium Density Fibreboard (MDF) is specifically manufactured for interior use. Comprising especially engineered wood fibre bonded with synthetic resin adhesive under heat and pressure, GoldenEdge Thinline MDF represents the most sophisticated and consistent thin interior board available, exceeding minimum specifications for all current relevant Building Standards. Available in 3, 4, 4.75 and 6mm thicknesses. GoldenEdge Thinline is ideally sized for normal building modules and numerous joinery and furniture applications.

GoldenEdge Thinline is not suitable for high humidity areas such as bathrooms, zones immediately adjoining kitchen benches and stoves, saunas and spas, or any external situation. Areas subject to extreme heat such as those immediately adjacent to solid fuel heaters and free-standing fireplaces are also unsuitable.

Physical Properties (Metric)

Behaviour in use – 3, 4, 4.75, & 6mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density 3mm	kg/m ³	770	800	–
4-6mm	kg/m ³	750	780	–
Internal Bond	kPa	800	1350	–
Modulus of Rupture	MPa	36	46	–
Modulus of Elasticity	MPa	2300	2900	–
24 Hour Thickness Swell – 3mm	%	–	27	33
Moisture Content	%	6.0	8.0	11.0

Physical Properties (Imperial)

Behaviour in use – 3, 4, 4.75, & 6mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density 3mm	lb/ft ³	48.0	49.9	–
4-6mm	lb/ft ³	46.8	48.7	–
Internal Bond	psi	116	196	–
Modulus of Rupture	psi	5220	6670	–
Modulus of Elasticity	psi x 10 ³	334	421	–
24 Hour Thickness Swell – 3mm	%	–	27	33
Moisture Content	%	6.0	8.0	11.0

Sheet Sizes (mm)

Thickness	Sheet Size
3mm	– 2440x915 2440x1220*
4mm	– 2440x915 2440x1220
4.75mm	2135x915 2440x915 2440x1220*
6mm	2440x915 2440x1220*

* Also available as 2400x1200.

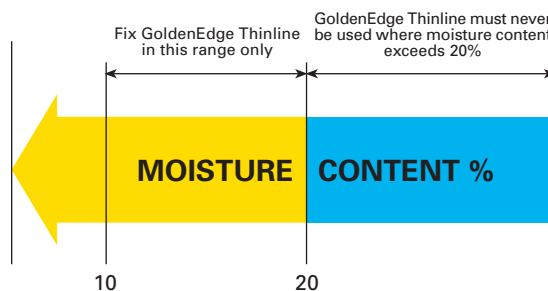
On request other thicknesses are available.

Standard product range includes 2.5mm, 2.7mm, 5mm and 5.5mm.

Oversize product (2465x1245) is available ex mill on request.

Sheet Tolerances (mm)

Thickness	±0.15
Length and Width	±1.60
Squareness (maximum difference between diagonals)	3.00
Straightness (maximum deviation from line)	1.60



Framework Support Centres

WALL LINING			CEILING LINING	
Panel Thickness (mm)	Stud Centres (mm)	Nogging Centres (mm)	Joist/Truss Centres (mm)	Nogging Centres (mm)
6.0	400	1200	450	800
	450	1200	600	600
	600	600	900	480
			1200	480

Nailing Schedule

Sheet Thickness (mm)	Nail Thickness (mm)	Fixing Centres (mm)	Sheet Edge Clearance (mm)	
		Edge	Intermediate	
6.0	25x1.6	150	200	2

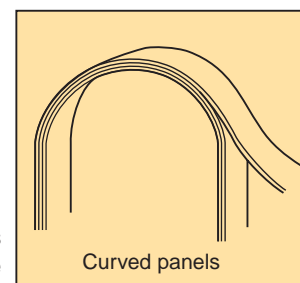
(Note all nails either non-ferrous or plated)

Furniture and Joinery Applications

(all thicknesses)

GoldenEdge Thinline is ideal for thin panelling; it has excellent bending qualities which also makes it ideal for curved and laminated panels. Compatible with all types of interior panel products, GoldenEdge Thinline is best when used with GoldenEdge Liteboard or Regular Density MDF. Difficult shapes may be manufactured without steaming by laminating GoldenEdge Thinline. Refer to table for minimum bending radii specifications.

All types of woodworking glues are compatible with GoldenEdge Thinline including waterborne glues like PVA, if used to manufacturers' recommendations. Best results for gluing are achieved by sanding the board surface before application.



Minimum Bending Radii

Thickness (mm)	Minimum Bending Radii (mm)
3.0	150
4.0	200
4.75	240
6.0	300



Overlaying Wooden Floors

Site Conditions

GoldenEdge MDF Underlay must only be installed over floors which are adequately ventilated and where there are no indications of dampness. The cause of moisture must be corrected and the floor allowed to dry.

Subfloor ventilators must provide a clear, cross flow of air beneath the floor so that any excessive moisture vapour is removed from the subfloor area. Excess moisture and dampness can lead to the distortion and possible decay of flooring members and excessive movement of the GoldenEdge MDF Underlay.

Adequate ventilation is particularly important where impervious floor coverings are used, as they restrict the escape of moisture through the floor.

In some circumstances, a moisture impervious membrane, such as polyethylene film or bitumen impregnated felt, may be used to cover the ground beneath the floor to retard moisture rise.

For further information on subfloor ventilation contact your distributor.

Under normal climatic conditions, GoldenEdge MDF Underlay may be used direct from the pack, however, best results will be achieved when the product is loose laid on the floor 24 hours before fixing. This will allow the material to equilibrate its moisture content with the site conditions.

The practice of loose laying the board for 24 hours is strongly recommended where there is any doubt on the adequacy of the subfloor ventilation.



Note:

Prevailing climatic or installed environmental conditions can influence moisture content changes in wooden floors and underlays. The resulting dimensional movement may become noticeable where the floor covering bridges the GoldenEdge MDF Underlay joins.

In some cases, the joins may be highlighted by the effects of glancing light on the floor surface.

Installation

Replace any loose or broken boards. Floor nails must be punched below the floorboard surface.

GoldenEdge MDF Underlay is sufficiently rigid to bridge minor irregularities in the floor surface. The best results are obtained when the floor is machine sanded to a flat plane. Lay sheets in a brick bond pattern.

Allow 0.4mm clearance between panels and 5mm clearance at perimeter walls.

Fixing Table for Overlaying Wooden Flooring

Hand Fastening

Nail Size (mm)	Fastening Centres	
	Edge (mm)	Inter (mm)
25x2.0mm or 25x2.5mm	75	150

Galvanised steel, flat-head ring grooved buttress or underlay type nails recommended.

Power Fastening

Staple Length (mm)	Fastening Centres	
	Edge (mm)	Inter (mm)
22 (7/8")	75	150

Staples to be galvanised, zinc or cadmium plated or resin coated steel. Recommended staple types BEA-90 series, SENCO N4450, HAYBOLD 60 series.

Minimum fixing distance of 10mm in from any edge of the sheet is recommended.

Overlaying Concrete Floors

Site Conditions

Concrete slab floors must be protected from ground moisture by a correctly installed vapour barrier.

GoldenEdge MDF Underlay must not be overlaid on new concrete floors until they have dried thoroughly to a surface relative humidity reading of 70% or less when measured using a hygrometer in accordance with AS 1884, Appendix A6, AS 2455.1, Appendix B3 or BRANZ Bulletin 388.

As a general guide new concrete slabs require one month of drying for each 25mm of concrete thickness.

Fixing for Concrete Floors

On concrete floors fix with 4mm diameter beads of adhesive applied in a grid pattern at approximately 150mm centres in both directions.

Adhesives

Refer to relevant manufacturers for adhesive which is suitable for bonding MDF to substrate.

Finishing

Check that all fasteners are correctly driven and not protruding above the board surface. Carefully sand joins to a flat plane and sand fixing points using a flat based machine sander or sandpaper block. Do not use disk type sander. Sweep or vacuum to ensure all dust is removed.



Internal Bracing

GoldenEdge MDF can be used for bracing linings in buildings where;

- GoldenEdge is protected from the weather during construction.
 - The provisions of NZBC E2 and E3 are complied with.
 - It is not used in saunas, spa rooms or shower rooms.
- Durability is for 50 years (BTL Test Report STR239/2).

Conditions of Use

Durability of GoldenEdge is dependent on an impervious surface being applied and maintained in rooms such as laundries, kitchens and bathrooms. The provisions of NZBC E3 must be met and suitable methods for achieving this are described in NZBC E3/ASI. Nelson Pine Industries recommends that when GoldenEdge is to be used in contact with the floor in areas subject to frequent wetting, a drain be installed in the floor and the floor covering covered up the sides of the MDF. Repeated wetting of the bottom of GoldenEdge will lead to a reduction in bracing resistance.

Lining Walls (6mm recommended)

Because of the susceptibility of GoldenEdge Thinline to expansion and contraction all joints between sheets should provide for movement. Therefore a 2mm expansion gap must be provided for.

Treatment of the joint can vary - vee joint, rounded joint, timber half round, PVC jointers.

Because GoldenEdge Thinline must be supported by framework and nailed at specific points please refer to table.

Lining Masonry Walls (6mm recommended)

Because of the GoldenEdge Thinline susceptibility to water vapour, masonry walls must be sealed from external moisture ingress. The following procedures must be adhered to.

- Step 1** Application of an effective damp proof course (eg. Flintkote) to the exterior of backfilled basement floors.
- Step 2** A moisture barrier must be applied (ie. paint film) to the interior of basement walls. Furring strips are then overlaid, (50 x 25mm) the spacing of which is given in Framework Support Centres table. 25mm end gaps should be left around the furring strips to encourage air movement.
- Step 3** A reflective insulation foil should then be applied to the face immediately before the application of the GoldenEdge Thinline board, then fixed in the manner described for timber frame lining. Consideration should be given to the insertion of small ventilation holes at the bottom of each sheet, finished with facing plates.

The non-compliance with any or all of the previous steps will encourage sheet movement and therefore cause the lining to buckle.

Modern developments in construction adhesives have made them extremely effective and useful in fixing sheet materials as an alternative to mechanical fixing by nails or staples. Construction adhesives and GoldenEdge Thinline are compatible, being ideal for lining interiors. It is recommended that solvent based elastomeric construction adhesives be used preferably of the 'slow cure' variety. Water based varieties are not recommended. Manufacturers' recommendations with reference to method and degree of application must be followed closely.

Lining Exposed Beam Ceilings (6mm minimum)

To retain the integrity of GoldenEdge Thinline both surfaces and all edges must be pre-primed before fixing.

Fixing between the rafters after the roof covering is laid, is the preferred procedure.

Exposure to wet weather must be avoided. Therefore if GoldenEdge Thinline must be laid on top of rafters the exposed interior ceiling should be laid progressively with the exterior covering.

Taking Delivery

GoldenEdge Thinline is delivered with cover sheets included at top and bottom. These packs are metal banded and should be dismantled and conditioned on four bearers as soon as possible.

Conditioning

To ensure the compatibility of GoldenEdge Thinline with other materials with which it is being used, a conditioning period of at least 48 hours must be observed. To promote air movement around the individual sheets, 75mm gluts must be inserted between the sheets. It is essential that each sheet is supported not more than 900mm centres and 300mm from the end. If the stack must be covered a 'breather' type sheeting with a clear air space must be provided between the stack and the cover sheet; impervious materials such as polyethylene sheet must be avoided.

Product Care

Care in stock turn is essential to avoid board variations caused by moisture uptake. Therefore the principle of first in first out stock rotation should be used. Storage should always be in areas not subject to:

1. High humidity
2. Water infiltration
3. Abnormal temperature variation
4. Direct sunlight
5. Spillage of liquids such as coffee or tea

Working with Thinline

To achieve a smooth continuous surface without warping or distortion, GoldenEdge Thinline should never be fixed to timber framing or substrates with a moisture content exceeding 20%.

Painting

For best results application of three coats is recommended. First coat Primer/undercoat is critical to the final finish. It is recommended that primer/undercoat is applied to paint manufacturer's recommendations.

Apply second and third coats or additional coats as required. A light sand using 280 to 320 grit paper is recommended after the first coat and between subsequent coats.

Finishing

Veneers and Plastic Sheeting Surfacing: Satisfactory adhesion by cold cured adhesives rely on keying of the surface of GoldenEdge Thinline MDF by light sanding.

It is essential that a balancing of surfacing be provided on both surfaces to avoid board distortion.

Veneering of GoldenEdge Thinline MDF on one surface alters the balance of the material to absorb moisture, therefore the risk of board distortion is high. This practice is not advisable.



GoldenEdge Medium Density Fibreboard is produced from high quality plantation grown Radiata Pine fibre - a renewable resource which helps to preserve our natural environment.



Liteboard

Regular Density MDF

Description

GoldenEdge Liteboard is 20% lighter in weight than regular MDF but maintains the excellent strength quality, surface smoothness and stability. The surface can be painted to achieve a high quality finish and provides a uniform substrate for overlaying. GoldenEdge Liteboard has a lighter tone than other MDF and is most suitable for any light, white or pale colour papers or foil for laminating. The colour is consistent.

The reduction in density of GoldenEdge Liteboard ensures that machine tools will last four times longer and so reduces down time. Its lighter weight makes it easier to work, with consequent increased efficiency.

Physical Properties (Metric)

Behaviour in use – 9, 12, 15, 16, 18, 25 & 32mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	kg/m ³	550	590	630
Internal Bond	kPa	550	700	–
Modulus of Rupture	MPa	27	33	–
Modulus of Elasticity	MPa	1900	2400	–
24 Hour Thickness Swell				
– 25mm	%	–	3.8	5.0
– 18mm	%	–	4.7	5.6
– 12mm	%	–	6.7	8.3
Moisture Content	%	6.0	8.0	11.0

Physical Properties (Imperial)

Behaviour in use – 9, 12, 15, 16, 18, 25 & 32mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	lb/ft ³	34.3	36.8	39.3
Internal Bond	psi	79.8	102	–
Modulus of Rupture	psi	3910	4780	–
Modulus of Elasticity	psi x 10 ³	275	348	–
24 Hour Thickness Swell				
– 25mm	%	–	3.8	5.0
– 18mm	%	–	4.7	5.6
– 12mm	%	–	6.7	8.3
Moisture Content	%	6.0	8.0	11.0

Sheet Sizes (mm)

Thickness	Sheet Size			
9mm	2440x1220*	–	3660x1220	–
12mm	2440x1220	–	3660x1220	–
15mm	2440x1220	–	–	–
16mm	2440x1220	–	3660x1220	–
18mm	2440x1220	2440x1830	–	2745x1220
	–	3660x625	3660x1220	3660x1830
25mm	–	2440x1220	3660x1220	–
32mm	2440x1220	2745x915	3660x1220	3660x1830

* Also available as 2400x1200.

Oversize product (2465x1245) is available ex mill on request.

Sheet Tolerances (mm)

Thickness	±0.15
Length and Width	±1.60
Squareness (maximum difference between diagonals)	3.00
Straightness (maximum deviation from line)	1.60

Description

GoldenEdge Regular Density MDF has excellent strength quality, surface smoothness and stability and superior edge profile. The surface can be painted to achieve a high quality finish and provides a uniform substrate for overlaying. GoldenEdge Regular Density MDF can be worked easily with all conventional woodworking machines and hand tools. Tungsten carbide cutters and saws are recommended.

Physical Properties (Metric)

Behaviour in use – 9 & 18mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	kg/m ³	690	725	–
Internal Bond	kPa	700	960	–
Modulus of Rupture	MPa	34.0	44.0	–
Modulus of Elasticity	MPa	2400	3000	–
24 Hour Thickness Swell				
– 18mm	%	–	4.7	5.6
– 9mm	%	–	9.0	11.1
Moisture Content	%	6.0	8.0	11.0

Physical Properties (Imperial)

Behaviour in use – 9 & 18mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	lb/ft ³	43.0	45.2	–
Internal Bond	psi	102	139	–
Modulus of Rupture	psi	4930	6380	–
Modulus of Elasticity	psi x 10 ³	348	435	–
24 Hour Thickness Swell				
– 18mm	%	–	4.7	5.6
– 9mm	%	–	9.0	11.1
Moisture Content	%	6.0	8.0	11.0

Sheet Sizes (mm)

Thickness	Sheet Size
9mm	2440x1220*
12mm	2440x1220
15mm	2440x1220
16mm	2440x1220
18mm	2440x1220
25mm	2440x1220

* Also available as 2400x1200.

Oversize product (2465x1245) is available ex mill on request.

Sheet Tolerances (mm)

Thickness	±0.15
Length and Width	±1.60
Squareness (maximum difference between diagonals)	3.00
Straightness (maximum deviation from line)	1.60



Liteboard & Regular Density MDF

Uses, installation & finishing

Machining

GoldenEdge Liteboard and Regular Density MDF can be worked easily with standard wood working machinery. The homogenous nature of GoldenEdge Liteboard ensures that a good finish can be achieved on the edges.

Tungsten carbide cutters and saws are recommended.

Laminating

Because of its light colour GoldenEdge Liteboard and Regular Density MDF is an ideal substrate for laminating with natural wood veneer, vinyls, printed papers, foils and melamine papers.

A balanced laminated panel would eliminate minor cupping or bowing.

Care must be taken to ensure that conditions of very high press pressure, high press temperature and long press times do not exist during laminating.

Screw Holding

GoldenEdge Liteboard and Regular Density MDF provides good screw holding strength both in the faces and edges. The recommendations are:

Screw Type

The best results are obtained with the parallel thread screws such as the Twinfast or particle board screws.

Conventional wood screws are not recommended.

Screw Gauge

The choice of screw gauge should be decided in relation to board thickness. The maximum screw gauge when edge fixing into GoldenEdge Liteboard is:

Board Thickness	Maximum Screw Gauge Liteboard and Regular Density MDF
9	5
12	6
15	7
16	7
18	8
25	9

Pilot Hole

A pilot hole is recommended to avoid splitting during edge screw fixing.

Screw Gauge	Recommended Pilot Hole	
	Liteboard	Regular Density MDF
4	1.5mm	2.0mm
5	1.8mm	2.4mm
6	2.0mm	2.6mm
7	2.2mm	2.7mm
8	2.5mm	3.0mm
9	2.8mm	3.3mm

Pilot Hole Depth

Pilot holes should be drilled approximately 2-3 mm beyond the expected depth of insertions of the screws.



Photo courtesy Kitchen Studio

Screw Position

The position of screws inserted into the faces and edges of MDF should be decided in relation to board thickness and screw size. Screws inserted into the edges should be not less than 25mm from the corners.

Screw Tension

The screw must not be overtightened as further turning will reduce the holding strength.

Screw Withdrawal Strengths

To illustrate the holding power of screws in GoldenEdge Liteboard the forces required to withdraw typical parallel thread screws in an axial direction from 16mm GoldenEdge Liteboard faces and edges are given below.

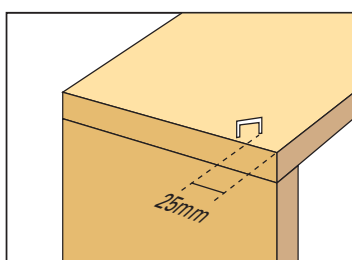
Screw Gauge	Depth of Insertion (mm)		Withdrawal Strength (N)	
	Face	Edge	Face	Edge
5	12	12	580	360
	16	20	1080	640
6	12	12	640	390
	16	20	1140	960
8	12	12	750	470
	16	20	1330	1060



Stapling

Staples can be used effectively for joint fitting. For best results it is helpful to add adhesive to the joint prior to assembly.

When stapling into GoldenEdge Liteboard, it is important to have good control of air pressure to avoid excessive penetration of staples. For nailing use either annular groove or helical nails of 13 or 14 gauge, for best results.



MDF	Staple
9mm	20mm
12mm	20-25mm
15mm	30mm
16mm	32mm
18mm	36mm

Do not staple within 25mm of edge of board. Offset staple to edge of board.



Nailing

GoldenEdge Liteboard can be fixed by nailing with good holding power and no split out when the following conditions are met:

1. Types of Nails

Use either annular grooved or helical (spiral) nails.

2. Nail Sizes

Use only 13 or 14 gauge nails. These give best results with good holding power in 16mm and 18mm GoldenEdge Liteboard. The length of nail should not exceed 50mm.

Nailing is not recommended for 9mm and 12mm GoldenEdge Liteboard and Regular Density MDF.

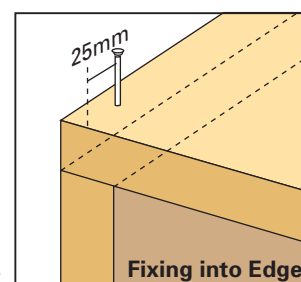
3. Distance from the Corner

Nails must be at least 25mm from the corner of the MDF panel.

4. Nailing at a slight angle will further increase the holding power.

5. Nailing is not recommended to the edges of 9mm and 12mm MDF (screwing is recommended).

6. Air gun pressure should be adjusted to ensure that the nail head finishes level with the surface of the panel.





Sanding and Finishing

Special attention to sanding edges gives excellent results. Use 120 grit paper followed by 240 or 320 grit paper.

Stopping

Stop all nail and staple holes with a low shrinkage wood filler. Match and blend colours as required to suit. Lightly sand with 320 grit paper.

Painting

For best results application of three coats is recommended. First coat Primer/undercoat is critical to the final finish. It is recommended that primer/undercoat is applied to paint manufacturer's recommendations.

Apply second and third coats or additional coats as required. A light sand using 280 to 320 grit paper is recommended after the first coat and between subsequent coats.



Lining Walls

Because of the susceptibility of GoldenEdge Liteboard and Regular Density MDF to expansion and contraction all joints between sheets should provide for movement. Therefore a 2mm expansion gap must be provided for.

Treatment of the joint can vary - vee joint, rounded joint, timber half round, PVC jointers.

Because GoldenEdge Liteboard and Regular Density MDF must be supported by framework and nailed at specific points please refer to table.

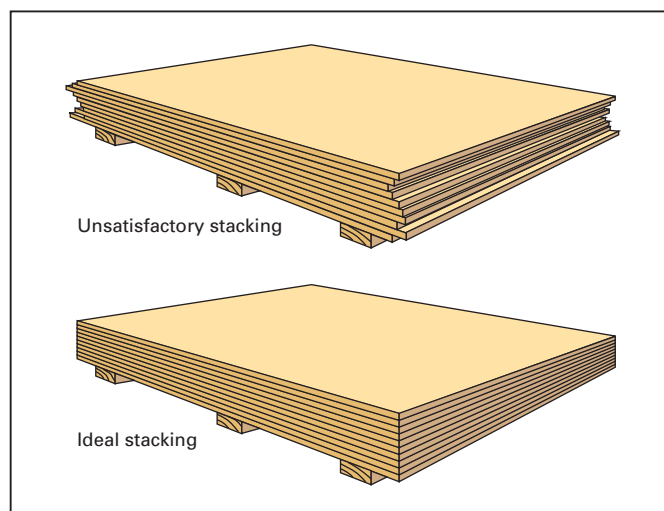
Framework Support Centres

Panel Thickness (mm)	WALL LINING		CEILING LINING	
	Stud Centres (mm)	Nogging Centres (mm)	Joist/Truss Centres (mm)	Nogging Centres (mm)
9.0, 12.0	400	1200	450	800
	450	1200	600	600
	600	800	900	480
			1200	480

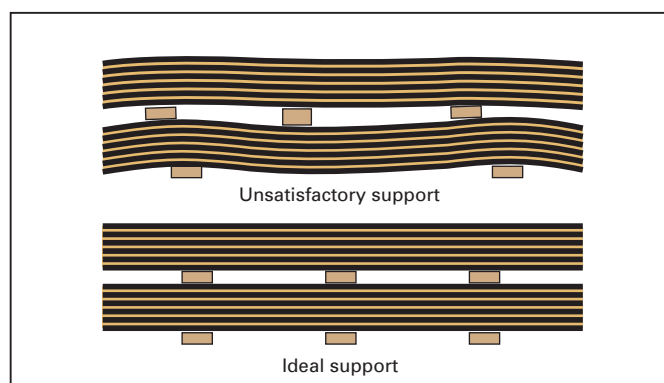




2. Where individual bearers are used they should be of equal thickness and placed at not more than 800mm centres for boards of 15mm thickness or more. Closer spacing is required for thinner boards.
3. The bearers supporting successive layers should be in vertical alignment.
4. Stacks of boards should have flush sides to minimise damage to protruding edges or overhanging corners.



5. Vertical storage of small numbers of boards is acceptable provided the boards are well supported close to vertical position.
6. The storage area should be well ventilated and the conditions should be reasonably dry. An average relative humidity of 50% will maintain board moisture content in the range 7-9%.
7. Boards should be fully protected from the weather during transportation and storage.
8. One or two scrap boards should be placed on top of stacked boards, to reduce the effect of short term changes in environmental conditions.



Storage

The method of manufacturing MDF ensures a balanced construction resulting from the uniform distribution of fibres throughout the thickness of the board. The maintenance of this inherent flatness is dependent upon the use of correct storage and handling procedures. Without these, boards may develop a permanent set under their own weight particularly if they are not adequately supported on a flat pallet or by sufficient bearers during any storage period.

The following procedures are recommended:

1. MDF sheets should preferably be stored horizontally and lifted clear of the floor using dry bearers as supports.



Thinline, Liteboard & Regular Density MDF

Technical Advisory Service

GoldenEdge Medium Density Fibreboard is manufactured in New Zealand by Nelson Pine Industries Ltd to the highest standards of quality and consistency.

Nelson Pine Industries Ltd will assist you in all aspects of technical advice. You are invited to call the Technical Manager 0800 800 438 Toll Free for technical information relating to fixing, techniques, design performance, fire resistance and questions relating to specific performance criteria.

Product Performance

GoldenEdge Thinline, Liteboard and Regular Density MDF should not be used in exterior applications, should not be exposed to water or high humidity situations (saunas, shower cabinets) and should be kept clear of nearby heat sources such as solid fuel heaters and free standing fireplaces. GoldenEdge is manufactured specifically for applications such as high quality furniture and joinery, using urea formaldehyde resin manufactured expressly for Nelson Pine Industries.

Formaldehyde concentrations in areas without proper ventilation are significantly reduced by sealing all exposed surfaces and edges with two coats of paint or polyurethane.

GoldenEdge Thinline, Liteboard and Regular Density MDF are resistant to fungal decay provided that the board does not exceed 20% moisture content for extended periods. They are also resistant to attack by common household wood borer. There are no additives such as insecticides or fungicides.

As with all wood and wood products, it is possible that GoldenEdge panels may contract or expand with moisture content. Provision for linear expansion in the panels should be made in any design utilising MDF.

Durability

GoldenEdge will be durable for 15 years when used for non-bracing and non-structural interior applications in houses as follows:

Used for the construction of fixtures such as benches or basin supports where:

- the top surface is covered with a tough impermeable covering such as melamine laminate, stainless steel or a polyester vanity unit
- the sides and edges of the GoldenEdge are coated with a sealer and exposed faces and edges with two top coats of impervious coating
- damage to coatings is repaired

Other uses (eg. Shelving, skirting trim, furniture, door jambs, stair treads and non-bracing linings)

GoldenEdge will be durable for 50 years when used in dry interior environments (ie. not saunas, spa rooms or shower rooms). When used in wet rooms (eg. laundries and bathrooms) the provisions of NZBC E3 must be complied with and an impervious coating applied to GoldenEdge. The bottom of GoldenEdge linings and floor level trim will swell and eventually deteriorate if exposed to persistent or cyclic wetting.

Product Warranty

GoldenEdge carries a 12 month warranty against faulty materials or workmanship by the manufacturer to the extent of replacement

of the product but not including any indirect or consequential loss subject to the provisions of the Consumer Guarantees Act 1993.

This warranty applies only when the product has been used in accordance with the recommendations. Any defect must be advised to the manufacturer within 21 days of determination or from the day such defects should have become known.

Nelson Pine Industries Ltd reserves the right to change specifications contained in this publication without notice.

WARNING

This is a reconstituted wood panel made from wood, resin and wax. This must be handled in accordance with safe work practices. Exposure to wood dust and/or formaldehyde may cause irritation to the eyes, respiratory system and skin, and may cause sensitisation by inhalation resulting in asthma, and by skin contact resulting in dermatitis.

Wood dust is classified as a known carcinogen. Repeated inhalation of wood dust over many years may cause nasal cancer.

Formaldehyde is classified as a probable carcinogen.

Storage

Storage areas containing large quantities of this product must be adequately ventilated.

Safe Work Practice

Work areas must be well ventilated and kept clean. Sawing, sanding and machining equipment must be fitted with dust extractors to ensure that dust levels are kept within standards laid down by Worksafe Australia, Occupational Safety and Health New Zealand, or the specific country of use. If not, a dust mask conforming with AS/NZS 1715 and AS/NZS 1716 and eye protection conforming with AS/NZS 1337 must be worn.

Offcuts, shavings and dust must be disposed of in a manner which avoids the generation of dust and in accordance with the requirements of local waste disposal authorities.

In end use applications all product surfaces exposed to occupied space must be sealed.

Further Information

Refer to the Material Safety Data Sheet for this product available from Nelson Pine Industries Ltd, their Distributors and Resellers.

Area Sales Offices

Auckland

PO Box 99048 Newmarket
Telephone 09-520 5851 Fax 09-520 5980

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