

## Green Star – Office Interiors v1.1

### Indoor Environment Quality IEQ-12 Formaldehyde Minimisation

Points Available	Points Claimed	CIR Submitted
2	1	N

#### Credit Criteria

Up to two points are awarded where it is demonstrated that all composite wood products meet the following benchmarks:

- 1 point where low formaldehyde emission (E1 limit under EN 13986:2004 OR no greater than 0.05ppm after 28 days under EN 717-1:2004) composite wood products are used;

#### Documents Provided

✓	Formaldehyde data sheets for each composite wood product used that identify the formaldehyde content of the product, including Evidence that each product meets the appropriate emission standard (EN 13986:2004; <b>OR</b> no greater than 0.05ppm after 28 days under EN 717-1:2004; <b>AND</b> F4Star under JIS A 5905:2003). <b>IEQ-12: 1</b>
✓	Information from the supplier that quantifies all products supplied. <b>IEQ-12: 2</b>
✓	Information from the sub-contractor that confirms that the products supplied were installed. <b>IEQ-12: 3</b>

#### Discussion

- As per evidence, all composite timber products used on site were either E0 or re-used products.
- Composite timber used in joinery, reception counter, raised floor, Marina workstations, and Marina tables.
- The following table, located in Technical Clarifications and CIR Rulings spreadsheet, has been used to demonstrate compliance with formaldehyde emissions levels (*highlighted test protocols have been used to test composite timber products on this project*):

Test Protocol	Emission limit/ Unit of measurements
- AS/NZS 2269:2004, testing procedure AS/NZS 2098.11:2005 method 10 for Plywood	< 1.0 mg/L
AS/NZS 1859.1:2004 - Particle Board, with use of testing procedure AS/NZS 4266.16:2004 method 16	< 1.5 mg/L
AS/NZS 1859.2:2004 - MDF, with use of testing procedure AS/NZS 4266.16:2004 method 16	< 1.0 mg/L

## Green Star – Office Interiors v1.1

JIS A 5908:2003- Particle Board and Plywood, with use of testing procedure JIS A 1460	< 1.0 mg/L
JIS A 5905:2003 - MDF, with use of testing procedure JIS A 1460	< 1.0 mg/L
JIS A1901 (not applicable to Plywood)	< 1.0 mg/L
ASTM D5116	<0.1 (+/- 0.0005) mg/m <sup>2</sup> hr (may also be represented as mg/m <sup>2</sup> /hr)
ISO 16000 part 9, 10 and 11 (also known as EN 13419)	<0.1 (+/- 0.0005) mg/m <sup>2</sup> hr (may also be represented as mg/m <sup>2</sup> /hr)
ASTM D6007	0.12mg/m <sup>3</sup> *
ASTM E1333	0.12mg/m <sup>3</sup> **
EN 717-1 (also known as DIN EN 717-1)	0.12 mg/m <sup>3</sup>
EN 717-2 (also known as DIN EN 717-2)	3.5 mg/m <sup>2</sup> hr (may also be represented as mg/m <sup>2</sup> /hr).
*The test report must confirm that the conditions of Table 1 comply for the particular wood product type, the final results must be presented in EN 717-1 equivalent (as presented in the table) using the correlation ratio of 0.98.	
** The final results must be presented in EN 717-1 equivalent (as presented in the table), using the correlation ratio of 0.98.	

# Trade Essentials™ Craftwood® MDF



- Craftwood® MDF comes in three grades:
  - Craftwood STD grade is suitable for use in applications away from high humidity and is available in a large range of thicknesses from 3mm to 32mm.
  - Craftwood MR grade is a moisture resistant medium density fibreboard suitable for use in areas of high humidity, or where accidental wetting may occur.
  - Craftform is a 9mm thick MR Craftwood with precise industrially cut grooves at even intervals and depths that allow it to form various shapes from tight radii to large undulating surfaces.
- Craftwood MDF is a stable, homogenous fibreboard with a super fine finish designed for internal use.
- It cuts, drills and routes cleanly to achieve a smooth surface finish for detailed designs and joinery work.
- Can be finished with a number of surface coating systems, such as paints, lacquers, veneers, laminates, paper and vinyl foils.
- Applications include furniture, storage units, shelving, wall linings, mouldings and general joinery work.
- Craftwood MDF is available in LFE (Low Formaldehyde Emission) E1 or E0 substrate options.
- All Craftwood MDF products have been awarded the Good Environmental Choice Australia mark.

PRODUCT	PANEL OPTIONS		SUBSTRATE AVAILABILITY	
	Thicknesses	Sheet Sizes	E1	E0*
Craftwood STD	3, 4.75, 6, 7.5, 9, 12, 16, 18*, 25*, 32mm	3600 x 1200*, 2400 x 1200, 2400 x 1800*	✓	✓
Craftwood MR	9, 12, 16, 18*, 32*mm	3600 x 1200, 2400 x 1200*, 2400 x 1800*	✓	✓
Craftform	9mm Cross Cut Grooves 9mm Long Cut Grooves	2400 x 1200mm	✓	

Other sheet sizes are also available to order. Contact The Laminex Group for availability and lead time.

\*Refers to E0 products only.

Craftwood MDF is made to meet or exceed the requirements of AS/NZS 1859.2:2004 and JAS ANZ standard.

TRADE ESSENTIALS CRAFTWOOD STD										
	THICKNESS (MM)	3	6	7.5	9	12	16	18	25	32
Craftwood STD	WEIGHT Kg/m <sup>2</sup>	2.5	3.8	4.7	6.0	8.0	10.2	11.4	15.5	23
Craftwood MR	WEIGHT Kg/m <sup>2</sup>				6.8	9.0	12	13	18	23
Craftform	WEIGHT Kg/m <sup>2</sup>				6.5					

For detailed physical properties, please refer to the Craftwood MDF Tradesman's Essential Guide available from The Laminex Group or visit [www.thelaminexgroup.com.au](http://www.thelaminexgroup.com.au)

## The Management of Wood Fibre Sources

- The wood fibre for our Australian made Craftwood MDF comes from government and private plantations.
- Our major sources of wood supply are Forestry Plantations Queensland and the Forest Products Commission in Western Australia.
- Forestry Plantations Queensland is independently certified to the Australian Forestry Standard (AFS), which delivers sustainable forest management and chain of custody certification. The Laminex Group continues to pursue chain of custody certification for the supply of all its wood fibre.

## Wood Fibre Source for Craftwood MDF:

Pre-consumer recycled and reclaimed wood fibre is used in the production of Craftwood MDF, giving this product a high “eco-preferred” content.

Two MDF mills supply all of The Laminex Group’s Australian demand. The wood fibre used at each mill is constituted as follows:

### (i) Gympie QLD (MDF Mill)

Wood species include: slash, caribaea and hoop pine from Queensland Government plantations.

### (ii) Welshpool WA (MDF Mill)

Wood species include: pinaster and radiata pine from Western Australian plantations.

The wood content for our Australian made MDF is as follows:

Pre-consumer recycled content	60%
Reclaimed silviculture fibre	40%

## Reduced Emissions for Better Indoor Air Quality

- The Laminex Group manufactures MDF panels that comply with the low formaldehyde emission level E1 defined in the Australian Standard AS/NZS 1859.2: 2004 for MDF, placing them among the best in the world.
- The Greenfirst range includes the option of MDF panels with the very low formaldehyde emission level E0 substrate.
- Both E1 and E0 products achieve the same credits under the Green Star Office Interiors Rating Tool – v1.1
- Both E1 and E0 products emit formaldehyde well below the workplace exposure limit set by the National Occupational Health and Safety Commission and comply with the voluntary standards of Good Environmental Choice Australia.
- Craftwood MDF has been tested for VOC emissions to British Standard Chamber test method DD ENV 13419-1 (1999). Craftwood MDF is expected to pass the requirements of the GreenStar Office Interiors Rating Tool v1.1 IEQ –II.

- Craftwood MDF can be finished with a number of surface coatings including but not limited to paints, veneers, laminates, paper and vinyl foils. Designers should investigate the environmental attributes of their preferred finish and the glues used to bond the surface to the MDF, as this will determine the potential impact on indoor air quality.
- The Laminex Group recommends the use of mechanical fixing systems and, where necessary, water based adhesives to minimise the impact on indoor air quality.

## Product Durability

- Craftwood MDF is supported by a seven year limited warranty. A copy of the Craftwood MDF 7 Year Limited Warranty can be obtained from The Laminex Group or an approved supplier.
- The serviceable life of the product will depend on its application and the surface finish applied to the product. Practical experience has seen the serviceable life of the product exceed 15 years under typical usage for recommended applications.

## Modularity & Flexibility

- The standard panel sizes of Craftwood MDF are well adapted to practical requirements, so cutting can be optimised and waste kept to a minimum.
- Panels are self-supporting and can be decorated with various surface treatments.
- Finished panels can be assembled using mechanical fixing systems.
- Furniture and joinery made with Craftwood MDF can be disassembled, reused, refurbished or easily replaced.

## Product Stewardship

The Laminex Group is committed to exploring commercially viable environmental programs, and is investigating processes and technologies to collect and re-use its products after the end of their serviceable lives.

## Green Star Office Interiors Compatibility

### IEQ II – Volatile Organic Compounds

If 100% of composite wood panels used are Craftwood MDF, use of these products will contribute towards achievement of 2 credit points.

### IEQ 12 – Formaldehyde Minimisation

If 100% of composite wood panels used are Craftwood MDF E1 or E0, use of these products will contribute towards achievement of 1 credit point.

### MAT 7 – Joinery

If 100% of the joinery uses Craftwood MDF, this will assist towards the achievement of 1 credit point.

Craftwood MDF can also contribute to the achievement of credits for MAT 1 – Workstations, MAT 3 – Walls & Partitions, MAT 5 – Tables and MAT 6 – Storage.



## TAX INVOICE

THE LAMINEX GROUP  
2 Foundation Place  
PROSPECT  
NSW 2148  
Telephone 02 8863 3700  
Facsimile 02 9896 4401

Please Remit Payment To:-  
The Laminex Group - NSW/ACT  
PO BOX 6247  
DONCASTER VIC 3108

THE laminex

Laminex Group Limited T/as

A.B.N. 98 004 093 092

CUSTOMER: EASYREST PTY LTD

18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200

Delivery Address  
EASYREST PTY LTD

18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200  
Contact 0297080542

Document number 4661660  
Date 06/12/07  
Account number 2990376  
Your order no.  
Your reference  
Page 1  
Manner of trans. NSWMET02  
Route 303  
Destination SEQ 303  
Sales order no. 7390422  
Handler ER  
Warehouse 249  
Your ABN 92002903175

Line	Product Brand	Description	Qty Bk Ord	Qty Supplied	Area m <sup>2</sup>	Price	Extended Price
		RBC HOURS MON - THUR 7.00AM - 6.00PM FRI 7.00AM - 4.00PM					
		FORKLIFT ON SITE - WET WEATHER ACCESS ALL TRUCK ACCESS					
		*****ALL LAMINATE MUST BE ROLLED*****					
4	860444 TE	Craftwood STD B0 18mm 3600x1800 Delivery date..... 07/12/07 confirmed with sharon oconnor		25	162.000		
		5/12 BR L42403 ***** ON MANUAL HOLD AS PER SHARON Kbr 0512 ***** prices quoted for green building project					

GREEN COUNCIL  
SAM

## See over for terms and conditions of sale

N.B. Your signature on the drivers manifest confirms acceptance that the quantity supplied agrees with that shown on the Tax Invoice.

Please note we reserve the right to charge a Return to Store (RTS) fee as a result of order errors made by the customer. For details refer to our full terms and conditions at [www.thelaminexgroup.com.au](http://www.thelaminexgroup.com.au).

# LAMINEX® Vertiboard® STD

Standard  
Particleboard

I Decorative Paper (top)



I Decorative Paper  
(bottom)

- Laminex® Vertiboard® is a standard grade particleboard factory laminated with hardwearing melamine surfaces suitable for vertical applications.
- Can be used for interior applications away from high humidity.
- Applications include furniture, storage units, shelving, wall linings and general joinery work.
- There is a large choice of colour options available which coordinate with the entire Laminex range of products.
- Laminex Vertiboard STD is available as Low Formaldehyde Emission LFE E1 or E0 substrate options.
- A moisture resistant (MR) substrate option is also available for high humidity applications.
- A commercially viable and environmentally preferable range of products without compromising design flexibility.
- Laminex Vertiboard E0 STD & MR have been awarded the Good Environmental Choice Australia mark.

PRODUCT	COLOUR RANGE	PANEL OPTIONS		SUBSTRATE AVAILABILITY	
		THICKNESSES	SHEET SIZES	E1	E0*
Laminex Vertiboard STD	52 Colours	18, 25, 33mm	3600 x 1800mm	✓	✓

\*Vertiboard E0 STD is made to order. Vertiboard E0 MR is made as a special order. Contact The Laminex Group for availability and delivery lead time.

Vertiboard is made to meet or exceed the requirements of AS/NZS 1859.1:2004.

## LAMINEX VERTIBOARD STD (This table shows typical values when tested by a NATA accredited laboratory.)

PROPERTY	UNIT	BOARD THICKNESS 18mm	BOARD THICKNESS 25mm	BOARD THICKNESS 33mm
Board Density	kg/m <sup>3</sup>	630	620	610
Internal Bond	KPa	500	450	450
Modulus of Rupture	MPa	16	16	18
Modulus of Elasticity	MPa	2400	2600	2900
Screw Holding – Face	N	600	600	600
Screw Holding – Edge	N	750	750	750
Surface Soundness	MPa	1.4	1.4	1.4
Moisture Content	%	7	7	8
Thickness Swell 24 hr	%	8	9	9
Board Weight	kg/m <sup>2</sup>	11.4	15.5	21.1

For other technical information refer to the Laminex Product Catalogue or visit [www.laminex.com.au](http://www.laminex.com.au)

### The Management of Wood Fibre Sources

- The wood fibre source for our Australian made particleboard originates from government and private plantations.
- Our major source of wood supply is the Forest Products Commission in Western Australia.
- The wood fibre sources for particleboard manufactured by The Laminex Group have been audited by Good Environmental Choice Australia and were found to meet the requirements of the voluntary standard GECA 28/2005 - Furniture & Fittings.
- The Laminex Group continues to pursue opportunities for chain of custody certification for the supply of its wood fibre.

### Wood Fibre Source for Laminex Vertiboard

A significant proportion of pre-consumer recycled and reclaimed wood fibre is used in the production of Laminex Vertiboard, giving this product a high “eco-preferred” content. The Dardanup mill in Western Australia supplies most of the Australian demand for this material.

#### Dardanup WA (Particleboard Mill)

The wood species used include radiata and pinaster pine from Western Australian plantations.

Pre-consumer recycled content	50%
Reclaimed silviculture fibre	50%

The Laminex Group established a pilot program in 2005 to collect and process post consumer wood waste at its Dardanup particleboard mill in WA. During 2006 the recycled and processed waste comprises 6 percent of the raw feedstock used by The Laminex Group to manufacture particleboard.

### Paper Source for Laminex Vertiboard

Papers used to decorate Laminex Vertiboard are sourced from suppliers in Europe, Asia and the USA.

Our suppliers use wood pulp from managed timber plantations. Heavy metals are not present in the colouration pigments used for paper supplied to The Laminex Group. We specify use of ECF – Elemental Chlorine Free bleached pulp for decorative papers.

### Reduced Emissions for Better Indoor Air Quality

- The Laminex Group manufactures particleboard panels that comply with the low formaldehyde emission level E1, defined in the Australian Standard AS/NZS 1859 Part 1 (2004) for particleboard, placing them among the best in the world.
- The Greenfirst range includes the option of Particleboard panels with the very low formaldehyde emission level E0 substrate.
- Both E1 and E0 products achieve the same credits under the Green Star Office Interiors Rating Tool – v1.1
- Both E1 and E0 decorated products emit formaldehyde well below the workplace exposure limit set by the National Occupational Health and Safety Commission and comply with the voluntary standards of Good Environmental Choice Australia.

- Laminex Vertiboard has been tested to the US Environmental Protection Authority's ETV test method for measuring emissions of VOCs and aldehydes and complies to the total VOC limit specified by Green Star of < 0.5 mg/m<sup>3</sup> within seven days of unpacking.
- The Laminex Group recommends the use of mechanical fixing systems and, where necessary, water based adhesives to minimise the impact on indoor air quality.

### Product Durability

- Laminex Vertiboard is supported by a seven year limited warranty. A copy of the Laminex Vertiboard 7 Year Limited Warranty can be obtained from The Laminex Group or an approved supplier.
- The serviceable life of the product will depend on its application. Practical experience has seen the serviceable life of the product exceed 15 years under typical usage for recommended applications.

### Modularity & Flexibility

- The standard panel size of Vertiboard is well adapted to practical requirements for furniture and joinery, so cutting can be optimised and waste kept to a minimum.
- Panels are self-supporting and decorated on both sides.
- Panels can be cut, edged and assembled using mechanical fixing systems.
- Furniture and joinery made with Laminex Vertiboard can be disassembled, reused, refurbished or easily replaced.

### Product Stewardship

The Laminex Group is committed to exploring commercially viable environmental programs, and is investigating processes and technologies to collect and re-use its products after the end of their serviceable lives.

### Green Star Office Interiors Compatibility

#### IEQ 11 – Volatile Organic Compounds

If 100% of composite wood panels used are Laminex Vertiboard, use of these products will contribute towards achievement of 2 credit points.

#### IEQ 12 – Formaldehyde Minimisation

If 100% of composite wood panels used are Laminex Vertiboard E1 or E0, use of these products will contribute towards achievement of 1 credit point.

#### MAT 7 – Joinery

If 100% of the joinery uses Laminex Vertiboard, this will assist towards the achievement of 1 credit point.

Laminex Vertiboard can also contribute to the achievement of credits for MAT 1 – Workstations, MAT 3 – Walls & Partitions, MAT 5 – Tables and MAT 6 – Storage.



Ballarat Plant  
Lot 21, Trewin Street  
VIC 3207



Telephone  
Facsimile 0398489730

IEQ-12: 2

# THE laminex GROUP

Laminex Group Pty Limited T/as

ABN 98 004 093 092



330715-000019 (009)  
EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200

**Delivery Address:**  
EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200  
Contact 0297080542

## Tax Invoice

Document Number 4729024  
Date 22/01/2008  
Account Number 2990376  
Your Order Number greencouncil  
Your Reference  
Manner of Trans TRK  
Delivery Run NSWMET02  
Sales Order Number 7462424  
Handler EC  
Warehouse 801

Page 1

Line	Product Brand	Description	Qty Bk Ord	Qty Supplied	Area m2	Price	Extended Price	Weight
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REC HOURS MON - THUR 7.00AM -  
FRI 7.00AM - 4.00PM

FORKLIFT ON SITE - WET WEATH  
ALL TRUCK ACCESS

\*\*\*\*\*ALL LAMINATE MUST BE ROLL

4	860492 LX	Vb STD E0 33 Flt Charcoa 36x18 Delivery Date 23/01/2008 Transport No 2148926 Vertiboard STD E0 33mm Flint Charcoal 3600x1800	10.000	64.80			1562.66000
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ONE OFF PRICE FOR GREEN BUILD

CONFIRMED WITH SHARON EC 17/1

G REEN BLD  
SAM

Total Weight	1562.66000
Total Quantity	
Total Extended Price	
Logistics Fee	
Minimum Order Charge	
Total GST	
Invoice Total	



Please send payment to:  
The Laminex Group - NSW/ACT  
PO BOX 6247  
DONCASTER VIC 3108

See over for terms and conditions of sale



## LAMINEX® Decorwood®

Standard MDF

Decorative Paper  
(bottom)

- Laminex® Decorwood® is a standard grade medium density fibreboard, factory laminated with hardwearing melamine surfaces suitable for vertical applications.
- Can be machined or face routed for detailed joinery work.
- Can be used for internal joinery applications away from high humidity.
- Applications include furniture, storage units, wall linings and general joinery work.
- There is a large choice of colour options available which coordinate with the entire Laminex range of products.
- Laminex Decorwood is available as LFE (Low Formaldehyde Emission) E1 or E0 substrate options.
- A commercially viable and environmentally preferable range of products without compromising design flexibility.
- Laminex Decorwood has been awarded the Good Environmental Choice Australia mark.

PRODUCT	COLOUR RANGE	PANEL OPTIONS		SUBSTRATE AVAILABILITY	
		THICKNESSES	SHEET SIZES	E1	E0*
Laminex Decorwood	52 Colours	18, 25mm	2400 x 1800mm	✓	✓

\*E0 panels are available as a (MTO) Made to Order item.

Laminex Decorwood is made to meet or exceed the requirements of AS/NZS 1859.2:2004.

**LAMINEX DECORWOOD** (This table shows typical values when tested by a NATA accredited laboratory)

TECHNICAL PROPERTIES	UNIT	BOARD THICKNESS 18mm	BOARD THICKNESS 25mm
Board Density	kg/m <sup>3</sup>	735	720
Internal Bond	KPa	800 av.	700 av.
Modulus of Rupture	MPa	38 av.	36 av.
Modulus of Elasticity	MPa	3500 av.	3400 av.
Screw Holding – Face	N	850 av.	850 av.
Screw Holding – Edge	N	1,000 av.	1000 av.
Surface Soundness	MPa	1.5	1.7
Moisture Content	%	7	7
Thickness Swell 24 hr	%	5	4
Board Weight	kg/m <sup>2</sup>	13	18

For other technical information, please refer to the Laminex Product Catalogue or visit [www.laminex.com.au](http://www.laminex.com.au)

## The Management of Wood Fibre Sources

- The wood fibre for our Australian made MDF comes from government and private plantations.
- Our major sources of wood supply are Forestry Plantations Queensland and the Forest Products Commission in Western Australia.
- Forestry Plantations Queensland is independently certified to the Australian Forestry Standard (AFS), which delivers sustainable forest management and chain of custody certification.
- The Laminex Group continues to pursue chain of custody certification for the supply of all its wood fibre.

## Wood Fibre Source for Laminex Decorwood.

Pre-consumer recycled and reclaimed wood fibre is used in the production of MDF used to make Laminex Decorwood, giving this product a high “eco-preferred” content.

Two MDF mills supply all of The Laminex Group's Australian demand. The wood fibre used at each mill is constituted as follows:

### (i) Gympie QLD (MDF Mill)

Wood species include: slash, pinus caribea and hoop pine from Queensland Government plantations

### (ii) Welshpool WA (MDF Mill)

Wood species include: pinaster and radiata pine from Western Australian plantations.

The wood content for our Australian made MDF is as follows:

Pre-consumer recycled content	60%
Reclaimed silviculture fibre	40%

## Paper Source for Laminex Decorwood:

The papers used to decorate Laminex Decorwood are sourced from suppliers in Europe, Asia and the USA.

Our suppliers use wood pulp from managed timber plantations.

*Heavy metals are not present* in the colouration pigments used for paper supplied to The Laminex Group. We specify use of ECF – Elemental Chlorine Free bleached pulp for decorative papers.

## Reduced Emissions for Better Indoor Air Quality

- The Laminex Group manufactures MDF panels that comply with the low formaldehyde emission level E1 defined in the Australian Standard AS/NZS 1859.2: 2004 for MDF, placing them among the best in the world.
- The Greenfirst range includes the option of MDF panels with the very low formaldehyde emission level E0 substrate.
- Both E1 and E0 products achieve the same credits under the Green Star Office Interiors Rating Tool – v1.1

- Both E1 and E0 products emit formaldehyde well below the workplace exposure limit set by the National Occupational Health and Safety Commission and comply with the voluntary standards of Good Environmental Choice Australia.
- Laminex Decorwood has been tested to the US Environmental Protection Authority's ETV test method for measuring emissions of VOCs and aldehydes and complies to the total VOC limit specified by GreenStar of < 0.5 mg/m<sup>3</sup> within seven days of unpacking.
- The Laminex Group recommends the use of mechanical fixing systems and, where necessary, water based adhesives to minimise the impact on indoor air quality.

## Product Durability

- Laminex Decorwood is supported by a seven year limited warranty. A copy of the Decorwood 7 Year Limited Warranty can be obtained from The Laminex Group or an approved supplier.
- The serviceable life of the product will depend on its application. Practical experience has seen the serviceable life of the product exceed 15 years under typical usage for recommended applications.

## Modularity & Flexibility

- The standard panel size of Laminex Decorwood is well adapted to practical requirements for furniture and joinery, so cutting can be optimised and waste kept to a minimum.
- Panels are self-supporting and decorated on both sides.
- Panels can be cut, edged and assembled using mechanical fixing systems.
- Furniture and joinery made with Laminex Decorwood can be disassembled, reused, refurbished or easily replaced.

## Product Stewardship

The Laminex Group is committed to exploring commercially viable environmental programs, and is investigating processes and technologies to collect and re-use its products after the end of their serviceable lives.

## Green Star Office Interiors Compatibility

### IEQ 11 – Volatile Organic Compounds

If 100% of composite wood panels used are Laminex Decorwood, use of these products will contribute towards achievement of 2 credit points.

### IEQ 12 – Formaldehyde Minimisation

If 100% of composite wood panels used are Laminex Decorwood E1 or E0, use of these products will contribute towards achievement of 1 credit point.

### MAT 7 – Joinery

If 100% of the joinery uses Laminex Decorwood, this will assist towards the achievement of 1 credit point.

Laminex Decorwood can also contribute to the achievement of credits for MAT 1 – Workstations, MAT 3 – Walls & Partitions, MAT 5 – Tables and MAT 6 – Storage.



# THE laminex GROUP

Laminex Group Pty Limited T/as

ABN 98 004 093 092



328841-000012 (009)

EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200

## Delivery Address:

EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200  
Contact 0297080542

## Tax Invoice

Document Number 4666527  
Date 10/12/2007  
Account Number 2990376  
Your Order Number SHARON  
Your Reference  
Manner of Trans TRK  
Delivery Run NSVWMT02  
Sales Order Number 7392259  
Handler RME  
Warehouse 801

Page 1

Line	Product Brand	Description	Qty Bk Ord	Qty Supplied	Area m2	Price	Extended Price	Weight
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REC HOURS MON - THUR 7.00AM -  
FRI 7.00AM - 4.00PM

FORKLIFT ON SITE - WET WEATH  
ALL TRUCK ACCESS

\*\*\*\*\*ALL LAMINATE MUST BE ROLL

4	860560 LX	DW E0 18 Flt Parchme 2400x1800 Delivery Date 13/12/2007 Transport No 2133000 Decorwood E0 18mm Flint Parchmnet 2400x1800	60.000	259.20			3854.28000
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sharon confirmed p/o rme 0612

L42403 SHARON RME 0612

GREEN COUNCIL  
SAM.

Total Weight 3854.28000  
Total Quantity 60.000  
Total Extended Price  
Logistics Fee  
Minimum Order Charge  
Total GST  
Invoice Total



Please send payment to:

The Laminex Group - NSW/ACT  
PO BOX 6247  
DONCASTER VIC 3108

See over for terms and conditions of sale

Ballarat Plant  
Lot 21, Trewin Street  
VIC Wend



Telephone  
Facsimile 0398489730

IEQ-12: 2

# THE laminex GROUP

Laminex Group Pty Limited T/as

ABN 98 004 093 092



329884-000011 (009)

EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200

## Delivery Address:

EASYREST PTY LTD  
18-20 CLEMENTS AVE  
BANKSTOWN NSW 2200  
Contact 0297080542

## Tax Invoice

Document Number 4696591  
Date 03/01/2008  
Account Number 2990376  
Your Order Number SHARON  
Your Reference  
Manner of Trans TRK  
Delivery Run NSWMET02  
Sales Order Number 7392259  
Handler RME  
Warehouse 801

Page 1

Line	Product Brand	Description	Qty Bk Ord	Qty Supplied	Area m2	Price	Extended Price	Weight
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REG HOURS MON - THUR 7.00AM -  
FRI 7.00AM - 4.00PM

FORKLIFT ON SITE - WET WEATH  
ALL TRUCK ACCESS

\*\*\*\*\*ALL LAMINATE MUST BE ROLL

4	860557 LX	DW E0 18 Flt Charcoa 2400x1800 Delivery Date 07/01/2008 Transport No 2140630 Decorwood E0 18mm Flint Charcoal 2400x1800	34.000	146.88	1		2184.09200
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sharon confirmed p/o me 0612

L42403 SHARON RME 0612

GREEN BLD  
SAM

Total Weight 2184.09200  
Total Quantity 34.000  
Total Extended Price  
Logistics Fee  
Minimum Order Charge  
Total GST  
Invoice Total



Please send payment to:

The Laminex Group - NSW/ACT  
PO BOX 6247  
DONCASTER VIC 3108

See over for terms and conditions of sale



# AWPA PRODUCT CERTIFICATION SCHEME

Accredited by the  
Joint Accreditation System  
of Australia and New Zealand  
to ISO Guide 65

[www.jas-anz.com.au/register](http://www.jas-anz.com.au/register)

JAS-ANZ



Accreditation No.  
Z1840199AB

**This certificate acknowledges that the Licensee,**

**Alpine MDF Industries Pty Ltd.,  
Crosher Lane, Wangaratta, Victoria**

**has fulfilled all the requirements of the AWPAs Specific Rules  
for Product Certification in relation to the products described  
below and the thickness ranges specified on the Certification  
Schedule, and is authorized to use the appropriate Certification  
Marks for these products.**

**Products certified and certification Standards:**

**Standard MDF to AS/NZS 1859.2  
Standard EO MDF to AS/NZS 1859.2  
Moisture Resistant MDF to AS/NZS 1859.2**

Executive Director



**Licence Number: 001  
Expires: 31 October 2009**

**Australian  
Wood Panels**



**Association  
Incorporated**

**TASMAN.**

ACCESS FLOORS

## DELIVERY DOCKET / PACKING LIST

GREEN BUILDING COUNCIL

No. 23563

01 AUG

DATE 11-12-07

L-15

PART ☒ COMPLETE ☐

179 ELIZABETH ST

ACCOUNT No. 4192012

SYDNEY

JOB No. 8549

ORDER No.

PART / CODE No.	DESCRIPTION	QUANTITY
TC750VC	TASCOR UNIFY PANELS S/H	305
PBT190	PEDESTAL BASES	1020
UNH105	PEDESTAL HEADS - UNIFY	810
PH190105	PEDESTAL HEADS	210
GPTP-C	GASKETS	210
UNFH	WASHERS UNIFY	810
FOFH	FASTENERS UNIFY	810
DBLC100	PANEL LIFTER BRACKET BLACK	1
TASCUH	PEDESTAL ADHESIVE	5
TASCAH	CONCRETE SEALER - 20 Ltr	1
	ALPINE (10) MDF 2400x1200x18mm	8
BSB	BANDSAW BLADES 14TPI	5
	SURE DRIVES M6'S x 50	100
	MARTI JENSEN	2 12 07

DESPATCHED  
BYRECEIVED IN GOOD ORDER AND CONDITION  
BY

TASMAN ACCESS FLOORS PTY LTD - A Fletcher Building Company ABN 44 003 102 592

28 BILLOELA ST [PO BOX 200] VILLAWOOD NSW 2163 AUSTRALIA | T 61 2 9728 4111 | F 61 2 9728 3088 | www.tasmanaccessfloors.com.au



## Green Star Office Interiors MAT-1 Calculator FOR WORKSTATIONS

(includes GBC changes of Feb 24, 2006)

**Product name:** /Marina worktop, System /45 Panels with fabric

**Product Description:** Marina system - Workstation, Powdercoated E0 MDF worktop, Marina under-structure; 1 qty System 45 panel - Aluminium Frame with Woven image EchoPanel

<b>Organically certified renewable products</b> Total percentage of product [by mass]	<b>0%</b>
<b>FSC certified timber:</b> (Alpine MDF is FSC Certified) Total percentage of product [by mass]	<b>61%</b>
<b>Other Third party certified components:</b> Total percentage of product [by mass]	<b>%</b>
<b>Product warranty - For how many years? (to be confirmed)</b>	10 yrs + 1 day
<b>Environmental Management System [EMS] implemented by product manufacturer</b>	<b>Y</b>
ISO 14000/1 certification?	<b>Y</b>
<b>EMS includes:</b>	<b>Y</b>
Waste minimisation – includes waste and recycling rates monitored and recorded quarterly	<b>Y</b>
Energy - includes energy consumption of manufacturing monitored and recorded quarterly	<b>Y</b>
Emissions - includes polluting gas and liquid emissions monitored and recorded	<b>Y</b>
Materials minimisation – (total material input is not a meaningful parameter) EMS ensures	<b>Y</b>
Design for Environment Principles and LCA minimise material content before production	<b>Y</b>
<b>Product stewardship policy (if included in contract)</b>	<b>Y</b>
<b>Modular</b> (can be stacked or re-arranged in different configurations with use of hand tools or no tools at all)?	<b>Y</b>
<b>Designed for disassembly?</b> [ie. components mechanically fixed and are designed for disassembly into single components by hand tools] Total percentage of product [by mass]	<b>100%</b>

\*Additional sustainable product and manufacturing information available

### Attachment:

**Schiavello Green Star EMS Compliance**

**Schiavello Take Back and Product Stewardship Policy**

### Comments:

Green Star MAT 1 (Workstations) score = 100% which achieves the maximum 7 Credits

The lack of adhesive supports the achievement of the IEQ-11 credits.

The E0 board assists with achieving the IEQ-12 credits

Item		Material	Mass (kg)	% Eco-preferred	Type of Eco-preferred	Mass eco-preferred	% of total mass
Legs		Casting (aluminium)	21.29	0			
		Stainless Steel	0.9	0			
		Plastic	0.09	0			
Work top		Alpine MDF E0 MDF	40.0	100%	FSC Certified	40.0	61.6
Panel		Aluminium	1.3	0			
		Steel	0.1	0			
		Plastic	0.0	0			
		Echopanel	1.2	0			
<b>Total</b>			<b>64.88</b>			<b>40.0</b>	<b>61.6%</b>

Prepared by:

**Michael Pitcher**

**Accredited Green Star Professional,**

**B.Sc., Grad.Dip.Envntl.Sc., Grad.Cert.Ind.Hyg.Sc., M.E.I.A.N.Z**

**Schiaavello Environment**

**T: 03 9330 8752, F: 03 9330 8899 , M: 0407 314 445, E: mpitcher@schiaavello.com**

**18/12/07**



## Green Star Office Interiors Assessment - MAT- 5 TABLES

(includes GBC changes of Feb 24, 2006)

**Product:** Marina Table

**Product name:** Manufacturer: Schiavello

**Product Description:** Marina Table - laminex E0 Vertiboard top, Aluminium Marina structure;

Y, N, N/A

<b>Other Third party certified components</b> (Laminex E0 Vertiboard is GECA certified) Total percentage of product [by mass]	<b>64%</b>
<b>Organically certified renewable products</b> Total percentage of product [by mass]	<b>N</b>
<b>FSC certified timber</b> Total percentage of product [by mass]	<b>N</b>
<b>Does the product have a warranty? If yes, for how many years?</b>	10 yrs + 1 day
<b>Environmental Management System [EMS] implemented by product manufacturer</b> Do you have an EMS in place?	<b>Y</b>
ISO 14000/1 certification?	<b>Y</b>
<b>If you have an EMS in place does it include:</b>	<b>Y</b>
Waste minimisation – includes waste and recycling rates monitored and recorded quarterly	<b>Y</b>
Energy - includes energy consumption of manufacturing monitored and recorded quarterly	<b>Y</b>
Emissions - includes polluting gas and liquid emissions monitored and recorded	<b>Y</b>
Materials minimisation – (total material input is not a meaningful parameter) EMS ensures	<b>Y</b>
Design for Environment Principles and LCA minimise material content before production	<b>Y</b>
<b>Product stewardship policy?</b>	<b>Y</b>
<b>Is your product designed for disassembly?</b> [ie. components mechanically fixed and are designed for disassembly into single components by hand tools] Total percentage of product [by mass]	<b>100%</b>

\*Additional sustainable product and manufacturing information available if required:

### Overview Schiavello Environment Program

### Schiavello Take Back and Product Stewardship Policy

**Green Star Office Interiors MAT- 5 (Tables) score = 100% = 1 Credit**

**The E0 board and the absence of VOC adhesives means that this scores well on IEQ –11 and IEQ 12**

Item		Material	Mass (kg)	% Eco-preferred	Type of Eco-preferred	Mass eco-preferred	% of total mass
legs		Casting (aluminium)	21.29	0			
		Stainless Steel	0.9	0			
		Plastic	0.09	0			
Work top		Particleboard E0 (Laminex Vertiboard)	40.0	100%	GECA Certified	40.0	64.2
<b>Total</b>			<b>62.28</b>			<b>40.0</b>	<b>64.2%</b>

**Michael Pitcher**

**Accredited Green Star Professional, B.Sc., Grad.Dip.Envtl.Sc., Grad.Cert.Ind.Hyg.Sc., M.E.I.A.N.Z**

**Schiavello Environment**

**T: 03 9330 8752, F: 03 9330 8799 , M: 0407 314 445, E: mpitcher@schiaavello.com**

**14/12/07**

20, CLEMENTS AVE, BANKSTOWN, 2200 NSW  
PH-02-9708 0633, FAX-02-9 793 9133

**EASY REST PTY LTD**

# Statement of Compliance

**To:** GREEN BUILDING COUNCIL  
AUSTRALIA &  
SCHIAVELLO PROJECT INTERIORS

**From:** ALI MAHMOUD

**Fax:** 03 9674 1666

**Pages:** 1

**Phone:** 03 9674 1600

**Date:** 22-Feb-08

**Re:** L15 - 179 ELIZABETH ST, SYDNEY

**ATTN:** ADAM TERILL

☒ **Urgent**    ☐ **For Review**    ☐ **Please Comment**    ☒ **Please Reply**    ☒ **Please QUOTE**

All joinery works completed to the above mentioned project have been manufactured and installed as modular units designed for disassembly undertaken in accordance for Bligh Voller Neild's design and specification and in line with relevant Green Star conformance requirements.

All products for which MSDS, data sheets and invoices have been supplied, have been used in the above mentioned project as per specifications.

Each modular cabinet, bench, joinery unit has been manufactured using E0 board as requested, this represents approx 98% of the joinery unit mass.

Each joinery item may be disassembled using a battery powered drill / screw driver.

- Remove all white push caps covering screw fixing to the joinery unit.
- Using battery powered drill / screw driver, proceed to unscrew joinery unit from anchor points to the wall, flooring and other joinery units
- If disassembling a top cupboard, ensure it has been stabilized and braced prior to unscrewing any anchor points to prevent it from falling once all fixings have been removed.
- In the event of any joinery unit becoming stuck or disassembly is problematic, a rubber mallet may be used to dislodge the unit from its surroundings, but not from any screwed anchor points (these must be unscrewed using the battery operated drill / screw driver).

If you have any questions or require any further documentation please do not hesitate to contact me

Regards,  
ALI MAHMOUD  
Project Coordinator



20, CLEMENTS AVE, BANKSTOWN, 2200 NSW  
PH – 02-9708 0633, FAX – 02 –9 793 9133

**EASY REST PTY LTD**

**To:** SCHIAVELLO PROJECT INTERIORS **From:** ALI MAHMOUD  
**Fax:** 03 9674 1666 **Pages:** 1  
**Phone:** 03 9674 1600 **Date:** 1-Jul-08  
**Re:** GREEN BUILDING COUNCIL **ATTN:** ADAM TERILL  
☒ **Urgent** ☐ **For Review** ☐ **Please Comment** ☒ **Please Reply** ☒ **Please QUOTE**

ADAM,

In regards to joinery works to the above mentioned project, we certify as follows:

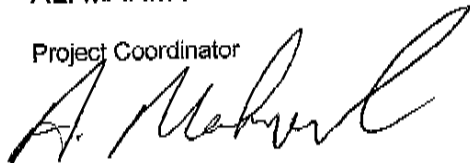
- Re-used plywood used to the front of reception counter as specified.
- Qty of no more nails used on the project was 2 tubes. The remainder of the tubes ordered, as per the suppliers invoice provided, are used and stored as stock in our factory premises in Bankstown.

If you have any questions or require any further documentation please do not hesitate to contact me.

Regards,

ALI MAHMOUD

Project Coordinator



\_\_\_\_\_





10 March 2008

Mr Adam Terrill  
Schiavello Project Solutions

Fax: 03 9674 1666

**RE: GBCA Green Star Evidence**

Dear Adam,

This letter is to confirm that the installation & quantities of the following products on the Green Building Council Australia (GBCA) Project in Sydney:

- Tasman Taseal Low VOC Slab Seal- 20 Litres
- Alpine E0 MDF 1200mm x 2400mm x 18mm Board- 8 sheets

Please see attached delivery docket/ packing list for confirmation.

Should you have any further questions, please don't hesitate to give me a call.

Regards,

A handwritten signature in blue ink, appearing to read "G Lee", on a light blue background.

Gavin Lee  
Sales Manager NSW/ACT  
**Tasman Access Floors Pty Ltd**  
0413 232 080

www.schiavello.com

# Schiavello

19 May 2008

Schiavello Project Solutions  
31-49 Queensbridge Road  
Southbank NSW 3006  
Ph: (03) 9674 1553  
Fax: (03) 9674 1666

Attention: Adam Terrill

Re: **GBCA - Sydney**

Dear Adam,

We are pleased to confirm supply and installation, in accordance with specifications and qualifications, for items as follows.

1. Forty-three (43) only Workstations inclusive of:

- 400x1800 System 45 screens (set on desk clamps at 900mm AFFL), shared
- 200x600 privacy panel set in top transom
- 2000x800x25 powdercoated worktops with sharknose edge, Marina technician adjustable leg and beam support, cable basket to rear of top
- 600x900x500 powdercoated Marina mobile storage caddies
- 600mm Slimline shelf with three dividers
- A4 metal accessory trays (2)
- PowerRail with quadruple GPO and triple 25x25 punch-outs for data – data modules (by others) and starter sockets connected by others
- 700mm flexible umbilical, floor to desk (one per cluster where required)

2. Two (2) only 1800x900 Marina meeting tables
3. Two (2) only 2000x1200 Marina meeting tables
4. Six (6) only 2600x1200 Marina meeting tables with castors
5. Two (2) only 900 dia. Marina meeting tables
6. One (1) only 1200 dia. Marina meeting tables
7. Four (4) only 900 dia. QED café tables
8. One (1) only 1600x600 Marina computer table

Schiavello Systems (NSW) Pty Ltd ABN 91 068 626 684  
69 Campbell Street Surry Hills NSW Australia 2010  
T +61 2 9211 3311 F +61 92123788

Certified ISO 9001:2000  
Quality Management System & ISO 14001  
Environmental Management System

[www.schiavello.com](http://www.schiavello.com)

I trust this information meets with your approval.

Assuring you of our best attention at all times.

Yours faithfully,



Jason Parry  
**Contract Manager - Seating & Loose Furniture**

T: +61 2 9211 3311  
F: +61 2 9212 3788  
M: +61 403 099 773  
W: [www.schiavello.com](http://www.schiavello.com)

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we create workplaces

