

## THE VERSATILE PERFORMER THAT'S MADE TO LAST

When it comes to versatility and performance, FIBREX® thin high density fiberboard from Flakeboard offers the best of both worlds. Utilizing continuous press technology, we're able to offer one of the widest selections of quality, sizes and finishes you'll find anywhere.

Various grades available:

- FIBREX® (standard)
- FIBREX® VESTA (no added urea-formaldehyde resin)
- FIBREX® LF (low formaldehyde, CARB Phase II Compliant)
- FIBREX® FR\* (fire-rated door skin)
- FIBREX® PG (print finish/wet coatings grade)
- FIBREX® Plus (high density)

Flakeboard FIBREX® fiberboard offers:

- A broad range of thicknesses (1.6mm to 6.35mm)
- A selection of widths (48" to 50", 59" to 62") and lengths (72" to 99.5", 101" to 148")
- Hundreds of finishes, including paint, decorative paper, TFM (thermally fused melamine) and direct print
- Specialty options such as cut-to-size and pegging

\* FIBREX® FR used in conjunction with a Georgia Pacific mineral core is certified for use as a cross band with wood veneer faces in 20 to 90 minute neutral pressure and positive pressure fire rated doors (single swing and pairs (standard and double egress)) and complies with UBC 7-2-1994, UBC 7-2-1997, CAN4 S104, NFPA 252, UL10B and UL10C standards.

Property	Thickness <sup>1</sup>	FIBREX®, FIBREX® VESTA, and FIBREX® PG Average Values	FIBREX® LF Average Values	FIBREX®, FIBREX® VESTA, FIBREX® PG and FIBREX® LF Specifications	FIBREX® Plus and FIBREX® FR Average Values	FIBREX® Plus and FIBREX® FR Specifications
Density (kg/m <sup>3</sup> )**	<3mm	910	920	>870	990	>960
	3mm to 3.9mm	900	910	>860	980	>960
	>3.9mm	900	900	>850	970	>960
IB (N/mm <sup>2</sup> )	<3mm	1.65	2.00	>1.03	2.00	>1.59
	3mm to 3.9mm	1.48	1.86	>1.03	1.86	>1.59
	>3.9mm	1.28	1.72	>0.90	1.83	>1.59
MOR (N/mm <sup>2</sup> )	<3mm	45.5	49.0	>37.9	58.6	>46.9
	3mm to 3.9mm	44.8	48.3	>37.2	53.1	>46.9
	>3.9mm	42.7	46.9	>34.5	51.0	>46.9
Moisture Content <sup>1</sup> (% d.b.)	<3mm	5.0	5.1	4 to 9	5.1	4 to 9
	3mm to 3.9mm	5.3	5.1	4 to 9	5.1	4 to 9
	>3.9mm	5.6	5.8	4 to 9	5.8	4 to 9
Linear Expansion <sup>2</sup> (%)	All	0.25	0.25	≤ 0.30	0.25	≤ 0.30
Thickness Raw (mm)	All	+/- 0.2	+/- 0.2	+/- 0.2	+/- 0.2	+/- 0.2
Thickness Sanded (mm)	All	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Length Tolerance (mm)	All	+/- 3.2	+/- 3.2	+/- 3.2	+/- 3.2	+/- 3.2
Width Tolerance (mm)	All	+/- 2.0	+/- 2.0	+/- 2.0	+/- 2.0	+/- 2.0
Squareness Tolerance (mm)	All	+/- 4.0	+/- 4.0	+/- 4.0	+/- 4.0	+/- 4.0
Formaldehyde Emissions <sup>3</sup> (ppm)	All	0.15 <sup>4</sup>	0.09 <sup>5</sup>	FIBREX® 0.21, FIBREX® VESTA 0.21, FIBREX® PG <sup>4</sup> 0.21, FIBREX® LF <sup>5</sup> 0.13	0.15 <sup>4</sup>	0.21 <sup>4</sup>

\*\* Imperial values available. The above properties are based on averages of normal production at time of shipment. Non-specified physical properties may be available upon request. Note that thickness' are quoted in the unsanded state.

<sup>1</sup> Dry basis at 65% RH, 20°C. Tested in accordance with ASTM D 1037-99 section 6 and 121. The moisture of the panel will change with ambient conditions.  
<sup>2</sup> Linear expansion measured between 50% and 80% RH in accordance with ASTM D 1037-99.  
<sup>3</sup> Tested in accordance with ASTM E 1333-96 at 0.26 m<sup>2</sup>/m<sup>3</sup> (0.08 ft<sup>2</sup>/ft<sup>3</sup>) loading ratio.  
<sup>4</sup> Complies with CPA EPPS 3-08, ANSI A208.2-2009, CCR 93120.2(a) (CARB Composite Wood ATCM) Phase 1, IKEA MAT-IO5-0003 version AA-10899-8 Table 2.2 P1 Formaldehyde Emission Limits.  
<sup>5</sup> Complies with CPA EPPS 3-08, ANSI A208.2-2009, CCR 93120.2(a) (CARB Composite Wood ATCM) Phase 1 AND Phase 2, IKEA MAT-IO5-0003 version AA-10899-8 Table 2.2 P1 AND P2 Formaldehyde Emission Limits.

- Product suitability for a particular application is the responsibility of the fabricator or end user
- Material Safety Data Sheets are available upon request
- All panels are approved for use in interior, non-structural applications
- Contains 100% Recycled/Recovered Wood Content





# FIBREX® | thin high density fiberboard

passion  
for panels®

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Property	Thickness <sup>1</sup>	FIBREX®, FIBREX® VESTA, and FIBREX® PG Average Values	FIBREX® LF Average Values	FIBREX®, FIBREX® VESTA, FIBREX® PG and FIBREX® LF Specifications	FIBREX® Plus and FIBREX® FR Average Values	FIBREX® Plus and FIBREX® FR Specifications
Density (lbs/ft <sup>3</sup> )**	< 0.118"	56.8	57.4	>54.3	61.8	>60.0
	0.118" to 0.154"	56.2	56.8	>53.7	61.2	>60.0
	> 0.154"	56.2	56.2	>53.0	60.5	>60.0
IB (psi)	< 0.118"	240	290	>150	290	>230
	0.118" to 0.154"	215	270	>150	270	>230
	> 0.154"	185	250	>130	265	>230
MOR (psi)	< 0.118"	6,600	7,100	>5,500	8,500	>6,800
	0.118" to 0.154"	6,500	7,000	>5,400	7,700	>6,800
	> 0.154"	6,200	6,800	>5,000	7,400	>6,800
Moisture Content <sup>1</sup> (% d.b.)	< 0.118"	5.0	5.1	4 to 9	5.1	4 to 9
	0.118" to 0.154"	5.3	5.1	4 to 9	5.1	4 to 9
	> 0.154"	5.6	5.8	4 to 9	5.8	4 to 9
Linear Expansion <sup>2</sup> (%)	All	0.25	0.25	≤ 0.30	0.25	≤ 0.30
Thickness Raw (in)	All	+/- 0.008	+/- 0.008	+/- 0.008	+/- 0.008	+/- 0.008
Thickness Sanded (in)	All	+/- 0.004	+/- 0.004	+/- 0.004	+/- 0.004	+/- 0.004
Length Tolerance (in)	All	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8
Width Tolerance (in)	All	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness Tolerance (in)	All	+/- 5/32	+/- 5/32	+/- 5/32	+/- 5/32	+/- 5/32
Formaldehyde Emissions <sup>3</sup> (ppm)	All	0.15 <sup>4</sup>	0.09 <sup>5</sup>	FIBREX® 0.21, FIBREX® VESTA 0.21, FIBREX® PG <sup>4</sup> 0.21, FIBREX® LF <sup>5</sup> 0.13	0.15 <sup>4</sup>	0.21 <sup>4</sup>

\*\* Metric values available. The above properties are based on averages of normal production at time of shipment. Non-specified physical properties may be available upon request. Note that thickness<sup>1</sup> are quoted in the unsanded state.

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