

# GLUING & PRESSING

## MDF REFERENCE CHART

Brand Name and/or No.	Type of board	Species	Process	Binder	Treatment	Panel Sizes	Nominal Thickness (inches)	Density (Lb./Cu. Ft.)	Modulus of Rupture (Min./psi)	Screw Holding		Linear Expansion (%)	Internal Bond (Min./psi)	Extent of Finish	Uses (See Codes Below)
										Face (Lb.)	Edge (Lb.)				

**Flakeboard, 515 River Crossing Drive, Ste. 110, Ft. Mill, SC 29715 (877) 273-7680**  
**P.O. Box 428, Albany, OR 97321 (888) 650-6302**

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

Fibrex	Thin HDF	Mixed	Continuous	UF		4' x 6'-12' 5' x 6' - 12'	1/16 - 5/16"	56	5500				130	Melamine paper, print, peg,CTS	1, 2, 3, 4, 6, 8, 9, 11, 13, 14, 15, 16, 18, 20, 21, 22
Fibrex Plus	Thin HDF	Mixed	Continuous	UF		4'x6'-12, 5'x6'-12	1/16 - 13-64"	60	7000				230	see above	1, 2, 3, 4, 5, 6, 8, 11, 13, 14, 15, 16, 18, 20, 21, 22
Superior MDF	MDF	Softwoods	Continuous	UF		4' & 5' Var. lengths	3/8 - 1-1/8"	47-44	3500-3300			0.30%	115-110	Melamine	2, 3, 9, 17, 18, 19, 21
Superior Plus MDF	MDF	Softwoods	Continuous	UF		4' & 5' Var. lengths	1/2 - 1"	47.5-46	3800-3700			0.30%	150	Melamine	2, 3, 9, 17, 18, 19, 21
Premier MDF	MDF	Pine, w. softwds	MP	UF		4 x 6 5 x 10, CTS	3/8 - 2"	46-45	3500	300	250		100-115		2, 3, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21
Premier Plus	MDF	Pine, w. softwds	MP	UF		4 x 6 5 x 10, CTS	5/8 - 3/4"	48	3500	300	250		140		Same
Premier Lite	MDF w. softwds	Pine,	MP	UF		4 x 6 5 x 10, CTS	3/8 - 1-1/4"	38-40	2500	225	200		90-115		Same
eLite	MDF	Pine,w/softwoods	MP	UF		4 x -16	11/32-1-1/4"	32-34	2500	180	150			TFM	
VESTA	MDF	Pine w/softwoods	MP	M		4x6 - 5x10	3/8-2"	45-46	3000	2753 00	225250		85-100	TFM	
VESTA FR	MDF	Pine w/softwoods	MP	M	F	4x -16	3/8-1-3/4"	41-45	2500-3000	2252 75	200225		70-90	TFM	

**Norbord Industries, 1 Toronto St., Ste. 600, Toronto, ON, Canada M5C 2W4 (416) 365-0705**

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

Norbord MDF	Fiber	Hardwood	MP	UF		4' & 5' W x 6-18' L; cts	1/4-1-3/4"	48	4500	375	325	0.30	120	120/150	1-5, 8-12,14-18, 20, 21,23
Norbord Moisture Resistant	Fiber	Hardwood	MP	M/UF		4' & 5' W x 6-18' L; cts	1/4-1-3/4"	48	5000	375	325	0.30	150	120/151	Same as above
Norbord HDF	Fiber	Hardwood	MP	UF		4' & 5' W x 6'18' L; cts	1/4 - 1"	55	5500	450	400	0.30	150	120/152	Same as above
Norbord LDF	Fiber	Hardwood	MP	UF		4' & 5'W x 6-18"	1/2 - 1"	38	3400	220	200	0.30	110	120/153	Same as above
Norbord UL	Fiber	Hardwood	MP	UF		4' & 5'W x 6-18"	1/2 - 1"	33	3400	180	150	0.30	110	120/153	Same as above

**Outwater Plastics Industries, 24 River Road, P.O. Box 500, Bogota, NJ 07603 (800) 631-8375**

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

Pliable MDF board	MDF	Blended				40 7/8" x 103.10" L	8 & 9.5mm							Sanded	2, 8, 9, 10, 15
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**Plum Creek Timber Co., 999 Third Ave., Ste.4300, Seattle, WA 98104 (206) 467-3600 or (800) 858-5347**

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

Plum Creek Fiberboard	Fiber	Western softwoods	MP Continuous	UF		5 x 18 & cts 10 x Contin.	1/8 - 1-1/4"	48	4000-5500			0.30-0.40	90-150	Sanded	2-4, 6, 8, 9, 10, 14-18 21, 22
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**Sierra Pine Ltd., Medite MDF Div., 2685 N. Pacific Hwy., Medford, OR 97501 (800) 676-3339 or (916)772-3429**

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

Medite FR2	MDF	Mixed	MP	LFR	F	5'x18' & less	3/8 - 1"	48	3,500	300	300		115	120	All except 19
Medite 3-D	MDF	Mixed	MP	LFR		5'x18' & less	3/8 - 1" +1/4"	48	4,300	350	300		115	120	Super refined
Medite	MDF	Mixed	MP	LFR		5'x18' & less	3/8 - 1 +1/4"	48	5,200	325	325	0.25	115	120	All except 19
Permacore	MDF	Mixed	MP	LFR		5'x18' & less	3/8 - 1"+1/8"	48	4,500	350	300	0.25	150	150	All except 19
Medex	MDF	Mixed	MP	MDI		5'x18' & less	3/8 - 1" +1/4"	48	5,200	325	275	0.25	130	120	All except 19
Medite II	MDF	Mixed	MP	MDI		5'x18' & less	3/8 - 1" +1/4"	48	5,200	310	260	0.25	115	100	All except 19
40#	MDF	Mixed	MP	LFR		5'x18' & less	3/8 - 1"	40	4,300	270	270	0.3	145	120	All except 19
High Density	MDF	Mixed	MP	LFR		5'x18' & less	3/8 - 1"	55-60	5,500	425	350		150	120	All except 19
MedTred	MDF	Mixed	MP	LFR		5'x18' & less	8mm-12mm	55-60	6,500	n/a	n/a	0.3	200	120	Flooring

**Temple-Inland, P.O. Drawer N, Diboll, TX 75941 (800) 231-6060**

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

Temple MDF, Mt. Jewett, PA	MDF	Hardwoods	Multi-op	UF Non UF		4', 5' widths length to 24'	3/16 to 1 5/16"	48	4500	400	300	0.25	115	Sanded	2, 3, 4, 5, 7, 8, 9, 10, 14, 17, 20, 22
Del-Tin Fiber	MDF	Pine	Cont	UF		4', 5' widths length to 16'	7/32 to 1"	40-46 lb	4500	400	300			Sanded	2, 3, 4, 5, 7, 8, 9, 10, 14, 17, 20, 22

**PROCESS:** MP = Multi-Platen ML = Multi-Layer HE = Horizontal Extrusion SO = Single Opening Press VE = Vertical Extrusion RF = Radio Frequency

**BINDER:** UF = Urea-Formaldehyde P = Phenolic M = Melamine

**TREATMENT:** F = Fire Retardant T = Toxic

**USE CODE:** Numbers in Particleboard "Uses" column are keyed to use descriptions below:

- |                       |                     |                         |                             |                                 |                              |
|-----------------------|---------------------|-------------------------|-----------------------------|---------------------------------|------------------------------|
| 1. Boxes, pallets     | 5. Counter tops     | 9. Juvenile furniture   | 13. House trailers          | 17. Table tops                  | 21. Veneer, plastic underlay |
| 2. Cabinet member     | 6. Crossbands       | 10. Millwork            | 14. School furniture        | 18. Toys, novelties             | 22. Wall panel cores         |
| 3. Case goods members | 7. Door cores       | 11. Musical instruments | 15. Spec. industrial shapes | 19. Truck, trailer liners       | 23. Embossed furniture parts |
| 4. Chair parts        | 8. Display fixtures | 12. Patterns, jigs      | 16. Sporting goods, games   | 20. Upholstered furniture, beds |                              |

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Brand Name and/or No.	Type of board	Species	Process	Binder	Treatment	Panel Sizes	Nominal Thickness (inches)	Density (Lb./Cu. Ft.)	Modulus of Rupture (Min./psi)	Screw Holding		Linear Expansion (%)	Internal Bond (Min./psi)	Extent of Finish	Uses (See Codes Below)
										Face (Lb.)	Edge (Lb.)				

**Uniboard Canada, Panfibre Div., 2540 Daniel-Johnson Blvd. Ste. 500, Laval, PQ, Canada H7T 2S3 (450) 682-5240**

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

Mont-Laurier	MDF	Hardwood & softwood	Continuous	UF	Low formaldehyde emissions	49 x 97, 61 x 97, 49 x 109, 61 x 109	1/4 – 1-1/8	40, 48	3,500	355 – 415	315 – 380	0.25	115	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23
Panfibre	Select MDF	Hardwood & Softwood	Continuous	UF		49 & 61 in. x 97 to 121 in.	5/8 to 1-1/4"	48	4,950	425	405	0.30	145	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23
Panfibre	Excel + MDF	Hardwood & Softwood	Continuous	UF		49 & 61 in. x 73 to 145 in.	1/2 to 1-3/16"	48	4,950	425	405	0.30	145	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23
Panfibre	Excel MDF	Hardwood & Softwood	Continuous	UF		49 & 61 in. x 73 to 145 in.	3/16 to 1-1/4"	47.3	4,350	380	340	0.30	115	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23
Panfibre	Standard MDF	Hardwood & Softwood	Continuous	UF		49 & 61 in. x 73 to 145 in.	3/16 to 1-3/16"	46	4,060	380	247	0.30	100	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23
Panfibre	Ultra Lite MDF	Hardwood & Softwood	Continuous	UF		49 & 61 in. x 97 to 121 in.	1/2 to 1"	33	4,030	202	169	0.30	73	Sanded, Melamine	2, 3, 4, 5, 8, 9, 10, 12, 14, 15, 16, 17, 18, 20, 21, 23

**West Fraser Mills, 501-858 Beatty St., Vancouver, BC Canada V6B 1C1 (604) 895-2700**

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

WestPine	MDF	Western softwoods	Continuous	UF		3' & 6' W 6' – 17' L	1/8 - 22mm	47-62	4400-4800	310-345	260-300	0.3	115-130	Sanded, 180 grit	2 – 5, 8 – 12, 14 – 18, 20 – 23
Ranger	MDF	Softwood	MP	UF		4' & 5' W 6' – 24' L	1/4 – 1-1/4"	38-49	4500-5000	315-350	260-300	0.3	110-130	Sanded, 150 grit	2- 5, 8 -12, 14 -18, 20, 21, 23

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