

	Ranger Standard	Roseburg Medite®	Uniboard Standard 115	Uniboard Excel 130	Trupan Standard MDF-Sault Ste. Marie	Trupan Standard MDF- Malvern	Trupan Plus MDF Sault Ste. Marie	Trupan Plus MDF Malvern	GP UltraStock Premium MDF	Kronospan Express
Density Range	46 lb/ft	41 lb/ft	42 lb/ft	44 lb/ft	n/a	n/a	n/a	n/a	46 lb/ft	44.95 lb/ft
Modulus of Rupture	4,000 psi	3,500 psi	3,190 psi	3,525 psi	3,200 psi	3,500 psi	3,900 psi	3,000 psi	3,130 psi	3,481 psi
Modulus of Elasticity	400,000 psi	420,000 psi	430,800 psi	486,000 psi	404,000 psi	350,000 psi	447,000 psi	300,000 psi	313,000 psi	348,100 psi
Internal Bond	95 psi	85 psi	115 psi	109 psi	109 psi	90 psi	160 psi	110 psi	90 psi	87 psi
Screw Holding Face	320 lbs	250 lbs	238 lbs	256 lbs	250 lbs	285 lbs	325 lb	275 lbs	235 lbs	N/A
Screw Holding Edge	300 lbs	200 lbs	229 lbs	246 lbs	225 lbs	225 lbs	300 lb	225 lbs	215 lbs	N/A
Thickness Tolerance	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in
Formaldehyde Emission	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	NAF Exempt
Moisture Content	4-6%	4-6%	4-6%	4-6%	n/a	n/a	n/a	n/a	5.50%	5.0%±1.0%

	Ranger Premium	Roseburg Medite Premium®	Trupan High Plus MDF- Malvern	Langboard Industrial	GP UltraStock Select MDF
Density Range	47 lb/ft	45.3 lb/ft	n/a	48.5 lb/ft	46 lb/ft
Modulus of Rupture	4,500 psi	4,350 psi	4,000 psi	4,200 psi	4,050 psi
Modulus of Elasticity	450,000 psi	507,000 psi	400,000 psi	420,000 psi	405,000 psi
Internal Bond	110 psi	110 psi	135 psi	130 psi	120 psi
Screw Holding Face	325 lbs	300 lbs	300 lbs	325 lbs	270 lbs
Screw Holding Edge	300 lbs	250 lbs	280 lbs	250 lbs	250 lbs
Thickness Tolerance	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in
Formaldehyde Emission	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)
Moisture Content	4-6%	4-6%	n/a	n/a	5.50%

	Ranger Premium Plus	Weyerhaeuser Glacier Green	Uniboard Excel Plus 155	Trupan High Plus MDF-Sault Ste. Marie	Langboard Elite
Density Range	49 lb/ft	49 lb/ft	47 lb/ft	n/a	48.5 lb/ft
Modulus of Rupture	5,000 psi	4,800 psi	4,200 psi	4,300 psi	4,200 psi
Modulus of Elasticity	500,000 psi	500,000 psi	535,000 psi	505,000 psi	410,000 psi
Internal Bond	140 psi	130 psi	151 psi	185 psi	180 psi
Screw Holding Face	450 lbs	300 lbs	333 lbs	363 lbs	325 lbs
Screw Holding Edge	420 lbs	275 lbs	344 lbs	359 lbs	250 lbs
Thickness Tolerance	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in
Formaldehyde Emission	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)
Moisture Content	4-6%	5.50%	4-6%	n/a	n/a

	Ranger Platinum	Roseburg Medite® Ultra	Uniboard Excel + Max (HDM)	Weyerhaeuser Glacier Green	Weyerhaeuser High Density Machine Grade	Trupan High Plus HD MDF - Malvern
Density Range	50 lb/ft	49 lb/ft	49.5 lb/ft	49 lb/ft	51 lb/ft	n/a
Modulus of Rupture	6,000 psi	5,000 psi	4,350 psi	4,800 psi	6,000 psi	6000 psi
Modulus of Elasticity	600,000 psi	500,000 psi	551000 psi	500,000 psi	600,000 psi	600,000 psi
Internal Bond	175 psi	140 psi	190 psi	130 psi	185 psi	185 psi
Screw Holding Face	450 lbs	325 lbs	333 lbs	300 lbs	325 lbs	325 lbs
Screw Holding Edge	450 lbs	325 lbs	375 lbs	275 lbs	355 lbs	275 lbs
Thickness Tolerance	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in	+ / - 0.005 in
Formaldehyde Emission	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)	TSCA Title VI (CARB Phase 2)
Moisture Content	4-6%	4-6%	4-6%	5.50%	n/a	n/a



**HFPI MDF BRANDS**

- Ranger Standard MDF
- Ranger Premium MDF
- Ranger Premium Plus MDF
- Ranger Platinum MDF
- Roseburg Medite® MDF
- Roseburg Medite Premium® MDF
- Roseburg Medite® Ultra
- Uniboard Excel + Max (HDM)
- Weyerhaeuser Glacier Green™ MDF
- Weyerhaeuser High Density Machine Grade MDF

# MDF BRAND COMPARISON CHART