

## SUPER-REFINED MDF

Super-refined MDF is engineered wood panel prized by woodworkers for its exceptional qualities, including a smooth unblemished surface and homogeneous core. Made from high-quality inland species of western softwoods known for their low abrasive content and light color, providing for unsurpassed ease of routing and finishing.



## SUPER REFINED MDF vs. POPLAR

### MDF ADVANTAGES

- No shrinking/warping panels
- More environmentally friendly
- No raised grain or cracking
- Smooth, paintable surface
- Doesn't contain grain or knots
- Exceptional detail with crisp clean lines
- Easier to customize
- Cuts and routes cleanly
- Easier to clean
- More affordable
- Provides fire protection

### POPLAR DISADVANTAGES

- Moisture damage
- Warping and cracking
- Requires more sanding
- Matched edges tend to fuzz
- More expensive
- Endgrain absorbs finishes
- Inconsistencies

**GREEN & PRODUCT STANDARDS**

STANDARD	DESCRIPTION	SUPER REFINED MDF
CARB California Air Resources Board	Phase Two ATCM 93120	•
Eco-Certified Composite (ECC) Standard 4-11	Environmentally Responsible Use of Wood Fiber	•
LEED® U.S. Green Building Council credit support for	New Construction and Major Renovations	•
	Pilot Credit 43	
Green Globes® System Green Building Initiative credit support for	E2 Recycled Content, Renewable Sources and Certified & Sustainable Sources	•
ICC 700 National Green Building Standard	Chapter 6 Building Materials	•
	Chapter 9 Indoor Environmental Quality	
SCS Scientific Certification Systems	Recycled Wood Content	•
SFI Sustainable Forestry Initiative	Certified Fiber Sourcing	•

**SPECIFICATIONS FOR SUPER-REFINED MDF**

	AVERAGE PHYSICAL PROPERTIES		ANSI A208.2-2016	GRADE 155*-F11
	IMPERIAL	METRIC	IMPERIAL	METRIC
DENSITY ( $\leq .551''$ )	49.0 LBS/FT <sup>3</sup>	788 Kg/m <sup>3</sup>	N/A	N/A
DENSITY ( $\geq .550''$ )	48.5 LBS/FT <sup>3</sup>	788 Kg/m <sup>3</sup>	N/A	N/A
MOISTURE CONTENT	5.50%	5.50%	N/A	N/A
THICKNESS TOLERANCE	$\pm 0.005''$	$\pm 0.125$ mm	$\pm 0.005''$	$\pm 0.125$ mm
MODULUS OF RUPTURE	4,800 PSI	33.1 N/mm <sup>2</sup>	4,050 PSI	27.9 N/mm <sup>2</sup>
MODULUS OF ELASTICITY	500,00 PSI	3,448.3 N/mm <sup>2</sup>	405,000 PSI	2,792 N/mm <sup>2</sup>
INTERNAL BOND	130 PSI	.09 N/mm <sup>2</sup>	117 PSI	0.81 N/mm <sup>2</sup>
LINEAR EXPANSION LIMIT	$\leq 0.3\%$	$\leq 0.3\%$	$\leq 0.33\%$	$\leq 0.33\%$
FACE SCREW HOLD $> .375''$ (9.5MM)	300 LB <sub>f</sub>	1,334 N	270 lb <sub>f</sub>	1,201 N
EDGE SCREW HOLD $> .025''$ (16MM)	275 LB <sub>f</sub>	1,223 N	225 lb <sub>f</sub>	1,000 N
LENGTH/WIDTH TOLERANCE	$\pm 0.07''$	$\pm 1.8$ mm	$\pm 0.08''$	$\pm 2.0$ mm
THICKNESS SWELL ( $\leq 15$ MM)	$\leq 0.05$	$\leq 1.3$ mm	$\leq 0.065''$	$\leq 1.65$ mm
THICKNESS SWELL ( $\geq 14$ MM)	$\leq 6\%$	$\leq 6\%$	$\leq 11\%$	$\leq 11\%$
EPA TSCA TITLE VI, CARB 2 EMISSION LIMIT: THICKNESS $> 8$ MM	$\leq 0.11$ PPM	$\leq 0.11$ PPM	$\leq 0.11$ PPM	$\leq 0.11$ PPM