



SUPER-REFINED HDF

There are panels - and there are premium panels. Super-refined HDF 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.

WHY SUPER REFINED HDF?

- No shrinking panels
- More stable and durable
- More environmentally friendly
- No raised grain or cracking
- Smooth, paintable surface
- Exceptional detail with crisp clean lines
- Cuts and Routes cleanly
- More affordable

GREEN & PRODUCT STANDARDS

STANDARD	DESCRIPTION	SUPER REFINED HDF
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 HDF

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