

CORE OPTIONS – PHYSICAL PROPERTIES

Properties	Pro-Core	Particleboard Core	MDF Core
Wood Species	Douglas Fir, Hemlock, Pine, White Fir, Balsam, Larch, etc.	Fir/Pine	Fir/Pine
Number of Plies ¾" Panel	7 or 9	3	3
Blanks or 1 Step	Both	Blank	Blank
HPVA Core Grade	K or L	N/A	N/A
Size	4x6, 4x8, 4x10	4x6, 4x8, 4x10	4x6, 4x8, 4x10
Oversize Availability?	Yes	Yes	Yes
Dimensional Stability	Very Good	Excellent	Very good
Finished Tolerance (DHA)	+0/- .047	+0/- .047	+0/- .047
Density	40±5 pcf	46±5 pcf	42±5 pcf
MOR (Perpendicular to the Face)	4900+ psi	3300+ psi	1300+ psi
MOR (Parallel to the Face)	7800+ psi	6400+ psi	4500+ psi
MOE (Perpendicular to the Face)	485,000+ psi	405,000+ psi	320,000+ psi
MOE (Parallel to the Face)	900,000+ psi	850,000+ psi	630,000+ psi
Screw Hold (Face)	345 lbs	240 lbs	240 lbs
Screw Hold (Edge)	200 lbs	250 lbs	200 lbs
Water Absorption (% 24hrs)	16.7%	8%	13.1%
Thickness Swell (% 24hrs)	4.3%	3.2%	3.9%
Janka Hardness	779 lbs	1044 lbs	794 lbs
Wt./M ft ²	1258 lbs	1437 lbs	1319 lbs
Glue Chemistry	ULEF	ULEF	ULEF
Formaldehyde Fuming Ave (ULEF)	Below .05ppm	Below .05ppm	Below .05ppm
Formaldehyde Standard	CARB Phase 2 and TSCA Title VI Certified		
Flame Spread Rating	Class C		
Environmental Certification	FSC, Environmental Product Declaration Available		

Note: All physical properties change from panel to panel depending on the natural characteristics of the wood used to make the panel.