



Capabilities

Kronospan LLC manufactures industrial and flooring grade MDF and HDF for multiple value-added and consumer applications. Our thicknesses range from 3.0 mm to 25.4 mm [1/8” – 1.0”] and include the capability of producing sanded or unsanded surfaces on our 10’ wide continuous press. Our sanding and sizing operations can manufacture various standard and non-standard formats.

All laboratory testing is conducted to European Norms and ANSI 208.2-2009 Standards. We specialize in tailoring customer specific products for any application. All panels are third-party certified as compliant with CARB Phase II emissions requirements.

Panel Specifications

MDF Express Stock Specifications

Physical Property	Standard	Specification	U.S. Equivalent Measure
Finished Thickness [mm]	ANSI 208.2	± 0.125	n/a
Density [kg/m ³]	EN 323	$720 \pm 30^*$	44.95 ± 1.87 Lbs/ft ³
Internal Bond [N/mm ²]	EN 319	0.60	87 PSI
Surface Soundness [N/mm ²]	EN 311	0.80	116 PSI
Modulus of Rupture [N/mm ²]	EN 310	24.0	3481 PSI
Modulus of Elasticity [N/mm ²]	EN 310	2400.0	348,091 PSI
Face Screw Holding [N]	EN 320	988	n/a
Edge Screw Holding [N]	EN 320	787	n/a
24 Hour Swelling [mm]	EN 317	1.65 [11% > 15 mm finished thickness]	n/a
Residual Moisture Content [%]	EN 322	5.0 ± 1.0	n/a
Residual Formaldehyde Content [PPM]	ANSI 208.2	0.11	n/a
Finished Length [mm]	ANSI 208.2	± 2.0	n/a
Finished Width [mm]	ANSI 208.2	± 2.0	n/a
Squareness	ANSI 208.2	1 mm per meter	n/a

*Specific density will range from 690 kg/m³ – 750 kg/m³ [43.07 Lbs/ft³ – 46.82 Lbs/ft³] based on finished thickness.

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HDF Express Stock Specifications [> 5.5 mm finished thickness]

Physical Property	Standard	Specification	U.S. Equivalent Measure
Finished Thickness [mm]	ANSI 208.2	± 0.125	n/a
Density [kg/m ³]	EN 323	850 ± 30	53.06 ± 1.87 Lbs/ft ³
Internal Bond [N/mm ²]	EN 319	1.20	175 PSI
Surface Soundness [N/mm ²]	EN 311	1.40	175 PSI
Modulus of Rupture [N/mm ²]	EN 310	40.0	5801 PSI
Modulus of Elasticity [N/mm ²]	EN 310	4000.0	580,150 PSI
24 Hour Swelling [%]	EN 317	16.0	n/a
Residual Moisture Content [%]	EN 322	5.0 ± 1.0	n/a
Residual Formaldehyde Content [PPM]	ANSI 208.2	0.13	n/a
Finished Length [mm]	ANSI 208.2	± 2.0	n/a
Finished Width [mm]	ANSI 208.2	± 2.0	n/a
Squareness	ANSI 208.2	1 mm per meter	n/a

HDF Thin Board Specifications [≤ 5.5 mm finished thickness]

Physical Property	Standard	Specification	U.S. Equivalent Measure
Finished Thickness [mm]	ANSI 208.2	± 0.125	n/a
Density [kg/m ³]	EN 323	880 ± 30	54.93 ± 1.87 Lbs/ft ³
Internal Bond [N/mm ²]	EN 319	1.20	175 PSI
Modulus of Rupture [N/mm ²]	EN 310	40.0	5801 PSI
Modulus of Elasticity [N/mm ²]	EN 310	2200.0**	319083 PSI
24 Hour Swelling [mm]	EN 317	1.65	n/a
Residual Moisture Content [%]	EN 322	5.0 ± 1.0	n/a
Residual Formaldehyde Content [PPM]	ANSI 208.2	0.13	n/a
Finished Length [mm]	ANSI 208.2	± 2.0	n/a
Finished Width [mm]	ANSI 208.2	± 2.0	n/a
Squareness	ANSI 208.2	1 mm per meter	n/a

****Minimum specification of 2200 N/mm² [319083 PSI] based on 3.0 mm panel. MOE can be tailored to meet specific application requirements.**

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