



# classicCore®

## The best of composite core and veneer, together.

Smooth, consistent, void-free, composite wood layers provide ideal surface for hardwood veneer lamination with one or more additional layers of natural veneer inner ply for panel stiffness and strength.

In comparison with composite panels of similar thickness, Classic Core is lighter in weight with superior screw holding and spanning properties in non-code, interior uses including shelving and casework.

Classic Core assemblies are assembled with soy or PVA technology incorporating either added formaldehyde (ULEF) CARB and EPA TSCA Title VI compliant thin MDF components or are offered under Columbia's PureBond® brand with no-added formaldehyde pMDI crossbands for additional assurance related to formaldehyde emissions.

ULEF Classic Core and formaldehyde-free PureBond® Classic Core are compliant with the USGBC® LEED® Composite Wood Evaluation with emissions verified by independent, third-party lab as meeting CARB, TSCA requirements.

### From Top To Bottom:

J Classic Core - Cherry Veneer

Classic Core - Cherry Veneer



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# What Lies Beneath Makes A Difference!

Classic Core offers helps reduce finishing problems stemming from allowed open knot holes or open joints under the decorative face and back veneers which encountered with natural veneer crossbands.

## The Classic Core Line



### Classic Core®

Although Classic Core still falls within the HP-1 thickness tolerance of  $+0 / -\frac{3}{64}$ ", the engineered MDF cross bands provide more consistent thickness tolerances compared with single-step, all-veneer core construction.

Classic Core standard panel thicknesses include  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ ", 19.5mm, 1" and  $1\frac{1}{4}$ ".



### J Classic Core®

J Classic Core is constructed with a Classic Lam, pre-sanded platform before application of the face and back veneers and another trip through the press and sanding line, referred to as "two-step" construction. This platform fits the bill for end users that operate CNC equipment that requires tighter tolerances. For end users that need a core that is even closer to a full  $\frac{3}{4}$ " Columbia offers a 19.5 mm (.767) J Classic Core construction option.



### Classic Lam™

Classic Lam is the same MDF and veneer innerply construction without the decorative wood veneer overlays. Applications to consider for Classic Lam would include laminating, custom veneer lay-up and painted applications.

Classic Lam standard offerings include  $\frac{1}{2}$ ",  $\frac{1}{4}$ ",  $\frac{3}{4}$ ",  $\frac{15}{16}$ " and 1".



## Features & Benefits

- **PureBond Classic Core and PureBond Classic Lam available upon request, subject to market availability of NAF (no added formaldehyde) thin pMDI MDF crossbands.**
- Classic Core provides a smooth, sound surface with higher density than traditional veneer core. This reduces the potential for core telegraphing through decorative veneer overlays.
- Classic Core significantly reduces finishing problems stemming from allowed open knot holes or open joints in standard veneer core constructions.
- Classic Core panels can be specified as FSC® Mix upon request.

Test*	PureBond Classic Core	Softwood Veneer Core
$\frac{3}{4}$ " thickness	0.726	0.721
Density (lbs/ft <sup>3</sup> )	38.4	27.3
Max. load (lbs)	527	446
MOR (psi)	6,010	5,171
MOE (psi)	670,894	663,111
Screw withdrawal - face (lbs)	274	267
Screw withdrawal - edge (lbs)	288	208
Janka Ball Hardness	866	521
Wt. per panel (lbs): 48.5 X 96.5"	74	54

\*Test samples were constructed with rotary maple face and back. Test results for hardness can differ depending on density of decorative veneer. Wood is natural, thus physical properties including weight can vary. Test data is for informational purposes and does not represent a claim by Columbia that identical panel assemblies meet these properties in the field.

For more information on Columbia Classic Core visit **[www.cfpwood.com](http://www.cfpwood.com)** or call one of the regional numbers listed below.

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