



# classicCore®

## Beautiful... inside and out.

Introducing PureBond® Classic Core®, assembled with our award winning, soy-based, urea formaldehyde-free technology. You can't see it on the surface, but the key component in Classic Core is a voidless, engineered no added urea formaldehyde MDF crossband that adds an extra dimension to Columbia's veneer core hardwood plywood. Classic Core provides an improved surface over softwood veneer core, reducing the potential for core telegraphing. It's also lighter in weight than composite cores and offers superior screw holding properties. These smooth panels are ideal for applications including furniture, cabinetry and fixtures. Classic Core may contribute to LEED® credit IEQ 4.4 and conforms to CARB Phase 2 emission requirements.

**From Top To Bottom:**

J Classic Core - Cherry Veneer

Classic Core - Cherry Veneer

FEATURING  
**PureBond®**  
FORMALDEHYDE-FREE TECHNOLOGY

**columbia**  
FOREST PRODUCTS

# What Lies Beneath Makes A Difference

PureBond® 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 also significantly reduces finishing problems stemming from allowed open knot holes or open joints in standard veneer core constructions.

## The PureBond Classic Core Line:



### Classic Core®

Classic Core offers a construction of veneer core inner plies and NAUF MDF cross-bands. The panel thickness dictates the actual thickness of the MDF used in the construction. Although Classic Core still falls within the HPVA thickness tolerance of +0 / -3/64", the engineered MDF cross bands provide more consistent thickness tolerances compared with single-step, all-veneer core construction.



### J Classic Core®

J Classic Core is constructed with a thin MDF crossband, thus this panel has an overall increased volume of veneer inner ply, weighing less than Classic Core. The thin composite lines in the profile of this panel, are barely noticeable, which is important in applications with an exposed edge. The J designation means this platform is pre-sanded before we apply the face and back veneers. J Classic Core offers superior features in terms of strength, stability, weight, surface quality and thickness consistency. 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 closer to a full 3/4" Columbia offers a 19.5 mm (.767) J Classic Core.



### 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 paint applications. Where tighter tolerances are required, ask about our J Classic Lam options.



## Features & Benefits

- PureBond Classic Core panels have thin MDF crossbands next to the face and back for projects that require a smoother face than typical veneer core panels.
- Classic Core panels have excellent machining properties.
- Classic Core panels are constructed with no added urea formaldehyde (NAUF) MDF crossbands.
- Standard thicknesses for our Classic Core include 1/2", 5/8", 3/4", 1" and 1-1/4". Classic Lam thickness offerings include 1/2", 11/16", 3/4", 15/16" and 1". Ask us about our other thickness options.
- Classic Core panels can be specified as FSC® certified upon request.
- PureBond Classic Core is a standard construction at our Klamath Falls, OR mill, but available at our other mills upon request.

## Classic Core and LEED®

PureBond Classic Core and PureBond Classic Lam are now offered as a standard from our facility in Klamath Falls, Oregon. No special lead times are required. These panels are produced with no added urea formaldehyde (NAUF) MDF crossbands combined with PureBond formaldehyde-free technology. PureBond Classic Core contributes to **LEED credit IEQ 4.4** calling for composite panel products with no-added urea formaldehyde.

Our Classic Core and Classic Lam panels are also available as FSC® certified upon request. FSC certified panels contribute to the **LEED MR 7.0 credit**. Please contact your Columbia or distributor sales representative for FSC options including FSC mixed credit.

Test*	PureBond Classic Core	Softwood Veneer Core
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's Classic Core options or any of our other products, visit [www.cfpwood.com](http://www.cfpwood.com) or call one of the regional numbers listed below.

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