

WHEN YOU ARE TRYING TO KEEP UP
ON GREEN TECHNOLOGY IN WOODWORKING,
GO WITH THE COMPANY THAT KEEPS YOU
AHEAD OF THE CURVE...

RUSSELL PLYWOOD.

GREEN ▶



RUSSELL PLYWOOD HAS THE MOST
COMPREHENSIVE “GREEN” PRODUCT
OFFERINGS AND EXPERIENCE AVAILABLE
IN THE MID-ATLANTIC REGION.
WE WERE IN THE GAME BEFORE THE
SUBJECT BECAME POLITICALLY CORRECT.
RUSSELL PLYWOOD IS YOUR SOURCE
FOR THE KNOWLEDGE, PRODUCTS AND
SERVICE THAT MAKES BEING
“GREEN” BOTH ENVIRONMENTALLY
FRIENDLY AND FINANCIALLY
PROFITABLE.

RUSSELL DIGIALLORENZO
PRESIDENT/CEO



WHY GREEN



SAVE THE TREES



REDUCE MATERIAL WASTE



INCREASE RECYCLING



LOWER ENERGY
REQUIREMENTS



MINIMIZE POLLUTANTS





Use Low Emitting Materials

- UV Finishes, 100% solids, no emissions
- Low VOC, HAPS Free finishes
- Eliminate Urea Formaldehyde

Recycled and Recovered Content

- Use products certified as being EPP
- (Environmental Preferable Product)

HOW CAN WE BE GREEN SMART?

Use Domestic Products

Just because you use Cherry, does not mean the product is made in the US. Products made overseas are not subject to our environmental protection laws and overseas woods account for the majority of illegal harvesting that occurs.

Locally Harvested Core

- In veneer core products, the actual plies account for 95% of the wood used in the product, requiring the most energy, and contributing the most to pollution and waste. Non-locally harvested materials will increase your pollution, waste, and energy use by 10 fold.

SO MANY CHOICES, SO MUCH CONFUSION, HOW DO WE KNOW WHAT IS GREEN AND WHAT IS NOT?

AWI

- Architectural Woodwork Institute
- Is a non-profit trade association founded in 1953. AWI has designed technical specifications referenced by design professionals and woodwork manufacturers relating to the fabrication and installation of wood products in our industry.

KCMA (Kitchen Cabinet Manufacturers Association)

- The KCMA Environmental Stewardship Program has been very popular lately. It takes some initial steps towards companies using green products but is more of an entry level program versus some of the other organizations currently out there with more stringent green requirements.

FSC and SFI

- FSC Forest Stewardship Council
- SFI Sustainable Forest Initiative
- Both are not-for-profit organizations devoted to encouraging the responsible management of the worlds' forests.

CARB

- California Air Resources Board

A group of advisers that gathers air quality data for the state, ensures the quality of this data, designs and implements air models, and sets ambient air quality standards. Within the past several months, CARB passed the strictest regulation, to date, in the world relating to formaldehyde emissions from board products, including PBC, MDF, and all plywoods.

By 2011 the majority of these products must be practically form. free prior to entering the state.

LEED & USGBC

- USGBC (United States Green Building Council)
- LEED (The leadership in energy and environmental design)

LEED is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. It promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health.

LEED 5 Key Areas

- Sustainable site development
- Water savings
- Energy efficiency
- Materials selection
- Indoor air quality

In the material selections, points are awarded for locally harvested materials and EPP certified products. FSC and SFI certifications are also awarded points.

In the indoor air quality, points are awarded for NAUF or low emitting resin systems to bond PBC, MDF and plywood.

Now What?

We have a customer that is sensitive to chemicals, loves the rain forest, and wants her new cabinetry to be made to LEED residential spec. The world is so frustrating anymore.

We have the solution

Purebond

- Formaldehyde Free plywood, particleboard and melamine by Columbia Forest Products.

Purebond

- Our newest line of plywood, raw particleboard, and melamine will qualify for the low emitting points. The Purebond line can also qualify for recycled content, local materials, and FSC certified points when required. Always check with your sales representative for LEED requirements to insure proper specification of products.

Purebond

- Currently all of our Columbia veneer core products are already manufactured with Purebond at no additional costs to our customers. We are also stocking Purebond Melamine and Purebond Particleboard. All of our material conforms to the KCMA ESP program and Columbia is a recognized certified manufacturer by the KCMA.

Your Advantage

- You are now aligned with organizations that meet KCMA, CARB 2011, and LEED specifications and that do everything in their power to promote a healthier green environment. Use this advantage to your advantage and promote your use of the Purebond product line.

RUSSELL PLYWOOD “GREEN” COMPLIANT PRODUCT PORTFOLIO

Particleboard

- FSC Certified Particleboard
- No-Added Urea Formaldehyde Particleboard
- Particleboard that is both FSC Certified & contains No-Added Urea Formaldehyde

MDF – Medium Density Fiberboard

- No-Added Urea Formaldehyde NAUF
- Class A Fire Rated No-Added Urea Formaldehyde NAUF

Hardwood Plywood

- FSC Certified Hardwood Plywood. (Available in the following core types)
 - Veneer Core
 - Particleboard Core
 - NAUF Core
- No-Added Urea Formaldehyde Hardwood Plywood (Available in the following core types)
 - Veneer Core
 - Particleboard Core
 - NAUF Core
- Both FSC Certified & contains No-Added Urea Formaldehyde Hardwood Plywood (Available in the following core types)
 - Veneer Core
 - Particleboard Core
 - NAUF Core
- Prefinished Hardwood Plywood that is both FSC Certified & contains No-Added Urea Formaldehyde.
- Pre-Primed Hardwood Plywood that is both FSC Certified & contains No-Added Urea Formaldehyde.
- Plywood Platform that is both FSC Certified & contains No-Added Urea Formaldehyde.
- Class A Fire Rated Hardwood Plywood that is both FSC Certified & contains No-Added Urea Formaldehyde.

FSC Certified Imported Plywood

- Baltic Birch that is both FSC Certified & contains No-Added Urea Formaldehyde.
- Meranti that is both FSC Certified & contains No-Added Urea Formaldehyde.

FSC Certified Bendable Plywood (for radius work)

- Bendable Plywood that is both FSC Certified & contains No-Added Urea Formaldehyde.

Melamine

- No-Added Urea Formaldehyde Melamine Panel
 - Particleboard Core
- Melamine Panel that is both FSC Certified & contains No-Added Urea Formaldehyde.
 - Particleboard Core

GreenGuard Certified Finishing Systems

- Microton™ Dye Stain (optional)
- 350 Woodsong™ Stain
- UltraStar™ Water Based Sealer (optional)
- Agualente™ Pre-Cat
- Agualente™ Post-Cat

When it comes to woodworking “Green” - Russell Plywood is “The Source from Start to Finish.”



A breath of fresh thinking.

Formaldehyde-free. Seriously.

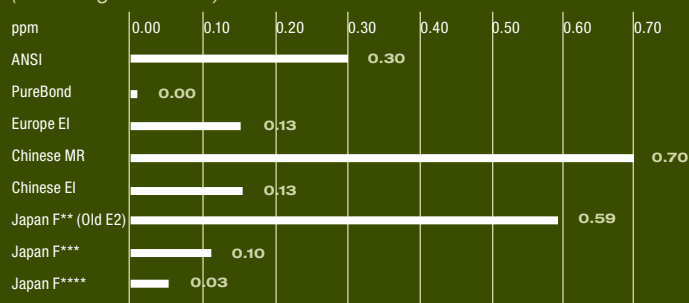
When we say PureBond is formaldehyde-free, we mean formaldehyde-free. There is absolutely no formaldehyde in its makeup. It's derived naturally, then enhanced with a proprietary resin formulation. And PureBond is licensed exclusively to Columbia for the manufacture of hardwood plywood, veneer and flooring.

Better living through chemistry.

With indoor air quality of increasing importance in today's architectural community, it's no small measure that PureBond eliminates formaldehyde from both press and product emissions. In fact, PureBond panels are designed to be compliant with the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED®) standards.

FORMALDEHYDE EMISSION LINE COMPARISON

Estimated foreign specifications normalized to ASTM E1333 standard (ANSI large chamber)



Unfinished PureBond 3/4" oak v/c plywood independently tested in accordance with ASTM E-1333 emitted 0.00 ppm of formaldehyde.

PureBond Facts.

- Manufacturing with PureBond produces environmentally safe, formaldehyde-free decorative hardwood plywood.
- PureBond panels are cost-competitive with traditional panels made using traditional UF construction.
- PureBond offers superior moisture resistance – approaching Type I or waterproof performance in product tests.
- PureBond panels are LEED compliant and may contribute points for EQ Credit 4.4 for Low-Emitting Materials: Composite Wood.
- Conversion to PureBond manufacturing operations virtually eliminates formaldehyde press emissions in Columbia mills.
- PureBond is only from Columbia Forest Products.

Less cost. More benefit.

What really makes PureBond special is that it's cost-competitive with the standard UF construction of most decorative hardwood plywood that's made today. That means PureBond is substantially less expensive than other no-added-formaldehyde alternatives currently available. Additionally, PureBond is even more water resistant than UF – approaching the requirements for Type I, or waterproof performance. PureBond formaldehyde-free panels have actually out-performed UF bonded panels in all moisture degradation tests.



Russell Plywood is proud to offer Columbia Forest Products PureBond line of formaldehyde-free decorative hardwood plywood.

RUSSELL PLYWOOD



When it comes to woodworking “Green” - Russell Plywood is “The Source from Start to Finish”.

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