

BluWood® by WoodSmart Solutions Inc.

It's no secret that builders in Florida face some of the toughest building conditions on the continent—not just hurricanes, but moisture, mold, and wood-eating insects. Boca Raton, Fla.-based WoodSmart Solutions Inc. has come up with a solution, and if it works there, it'll work anywhere. WoodSmart's Perfect Barrier System®—the science behind BluWood®—is a factory-applied, two-part system for wood framing components. BluWood's Infusion Film is water-repellant, vapor permeable, and resists mold growth on the dried film; the second part is a DOT Wood Preservative, which is both a fungicide and an insecticide. The result is a product engineered to prevent two all-too-common housing headaches: mold and termites.

HOW IT WORKS

The Perfect Barrier System is factory-applied to all sides of the wood components—dimensional lumber, engineered wood, OSB, trusses, plywood, etc.—in two parts: First, a proprietary Infusion Film is applied. The film allows trapped moisture to escape while keeping liquid water from penetrating. It bonds with wood fibers at the cellular level, and also resists mold and mildew growth on treated surfaces, and over time, migrates deeper into the wood for sub-surface protection. Second, the DOT Wood Preservative is applied. The preservative resists decay, and infestation from fungus and wood-destroying insects, including Subterranean and Formosan termites.

The Perfect Barrier System does not add heavy metals, carcinogens, aldehydes, or solvents to the treated material. BluWood can be exposed to normal exterior weather for up to six months. Also, it has tested non-corrosive to hot-dipped galvanized steel truss plates and fasteners. BluWood is covered by a lifetime limited warranty. "Building a unique and custom home requires that we stay in the forefront of technological advancement," says Bob Lee, president of Robert Morgan Fine Homes. "With Perfect Barrier-treated BluWood components, we not only create a better environment for our owners, but also ensure that their investment will continue to appreciate."

WHERE TO USE IT

BluWood is approved for interior and exterior use in residential, light commercial, and factory-built structures. The Perfect Barrier System can be used on a wide variety of wood and engineered wood components, from studs to sheathing. BluWood may also be used for exterior above-ground applications,

including siding, fencing, decking, and trim, provided that it is further protected from the weather by paint, stain, or sealer.

One of the most important benefits of BluWood on the job-site is the ability to accommodate changes to a construction schedule, says Debbie Liscum, market and product development director at Nokomis, Fla.-based Kimal Lumber. Explains Liscum, "With the problems we've had with our trusses—the job isn't ready, the trusses lay on the ground, and mold grows on the trusses—we decided to offer BluWood." After evaluating the product for nearly two years, Kimal recently placed its first order. "We told WoodSmart Solutions upfront it wasn't going to be an easy sale," says Liscum. "We don't just bring on a product—we test it to make sure it's going to do what the manufacturer says it's going to do."



BluWood is currently distributed in Florida, Texas, North and South Carolina, Virginia and Georgia, with plans to expand into Louisiana, Alabama, Mississippi and California within the next 12 months. According to the company, treating the framing and sheathing adds \$1-2 per finished square foot to a home's purchase price. Considering that homes are often under construction for several months, WoodSmart Solutions President and CEO Charles Morando says the investment is easy to justify. "BluWood offers protection for all the wood framing components used in a home before, during and, most importantly, after construction. The building industry needs credible, common-sense solutions to the costly effects of mold, moisture and termite infestations. BluWood is a logical approach to defend against some of the most serious issues facing builders and homeowners."

To learn more, visit www.PerfectBarrier.com or call 561.416.1972.