

CONSUMER HOW-TO

CHOOSE A QUALITY COMPOSITE DECK

You can contact Allensville Planing Mill for more information about GeoDeck. APM is an official dealer for this product. You could be sipping a cool drink on your new deck in no time this summer!

As the hot weather of summer rolls around, perhaps this is the year you're thinking of getting a deck installed at your home. Many homeowners envision a place that will be the prime outdoor living and entertaining space for years to come. More and more homeowners are choosing composite decks versus pressure-treated decking. What are some advantages of composite decking?

First, consider the life span of the material. The composite decking will not rot. You will never have to paint it, stain it, or seal it, which can be time-consuming and costly. So once it has been installed it becomes virtually maintenance free. You won't have to worry about splinters either! Second, the look of composite decking is tremendous, with an elegant feel. So there is both practicality and looks that cause many people to choose a composite deck. In the end, choosing between composite and pressure-treated decking comes down to the expectations and circumstances of the homeowner. If choosing composite decking, what makes GeoDeck stand out over other products?

WHY GEODECK

Easy to install, their state-of-the-art decking and railing is engineered and designed to function as a complete system that creates a professional craftsman look with less effort.

With superior color retention, their patented formula that increases resistance to decay and mold, as well as best in class ratings for mechanical strength, you have everything you need to create something you can depend on for the long run.

Whether a deck, patio, shade structure, pool and hot tub surround, walkway or dock, all GeoDeck products are backed by a 20-year limited warranty. None of which require painting or sealing!

PATENTED FORMULA

Due to its industry leading, patented formula, GeoDeck is scientifically superior to other composite decking products. GeoDeck composite decking is made from microbial-resistant rice hulls; reclaimed paper by-product; prime virgin polymer; heavy loadings of antioxidants, color pigments, and stabilizers; and other high-quality materials to create a product with:

- Superior Color Retention
- Reduced Water Absorption
- Resistance to Mold, Mildew & Decay
- Prevention Against Degradation
- Increased Mechanical Performance
- Greater Environmental Responsibility

SUPERIOR COLOR RETENTION

Instead of wood residue, Green Bay Decking uses reclaimed paper by-product in its patented GeoDeck formula to produce superior color retention and fade resistance. Natural wood contains lignin, a chemical which creates color fading when exposed to sunlight. GeoDeck contains significantly less lignin than other composites which use wood as their reinforcing material.

In accelerated weather tests designed to simulate 2,000 hours of outdoor sun exposure, GeoDeck had less of a color change than its competitors. In fact, some composite decking faded at a

rate comparable to wood decking.

REDUCED WATER ABSORPTION

Unlike most other composite products, GeoDeck's patented formula contains no wood fillers. Instead, GeoDeck includes rapidly-renewable rice hulls, which is naturally more resistant to internal microbial activity and water absorption than wood and wood by-products.

The presence of water in composite material decreases mechanical properties and durability, including performance during freeze/thaw cycling, dimensional stability, and warping. In addition, the higher the water content the higher the risk of internal decay due to microbiological activity. Sensitivity to water depends on the material formulation.

GeoDeck outperformed other leading extruded polyethylene composites in independent water absorption rate testing conducted in 2009 by the University of Maine Advanced Structures & Composites Center.

RESISTANT TO MOLD, MILDEW & DECAY

The GeoDeck formula includes rice hulls to increase resistance to mold, mildew, decay, and various fungi. Rice hulls are unique because they contain significant amounts of microbial-resistant silica, which is the rice plant's natural defense mechanism against bugs.

PREVENTATIVE MEASURES AGAINST DEGRADATION

The GeoDeck formula includes a powerful antioxidant additive to prevent degradation. Since 2003, the amount of antioxidant in GeoDeck composite decking boards has been more than tripled. As a result, GeoDeck does not degrade prematurely, thus saving maintenance, money, and time.

INCREASED MECHANICAL PERFORMANCE

Green Bay Decking uses reclaimed paper by-product in its patented GeoDeck formula to increase mechanical performance, stiffness, and surface hardness, which mitigates scratching. Paper by-product includes components such as cellulose, kaolin clay, and calcium carbonate, which act as stiffeners.

During the paper-making process, the wet paper, or pulp, rests on a large screen to dry. Any pulp which falls through the screen becomes paper by-product and is often incinerated or sent to a land fill. Green Bay Decking reclaims pulp from disposal and repurposes it for GeoDeck.

GREATER ENVIRONMENTAL RESPONSIBILITY

As compared to wood decking, all composite decking products are much more eco-friendly and sustainable. And as compared to other composite decking products, GeoDeck's formula is also superior. GeoDeck has been used on green LEED-certified buildings and projects for commercial, residential, and marine use.

GeoDeck contains rice hulls, a rapidly-renewable resource made from the discarded outer husks of rice kernels, and discarded paper pulp, a by-product of the paper-making process. Both rice hulls and paper by-product would often otherwise be incinerated or sent to land fills.