

PlyGuard™ Termite/Borer Resistant Plywood

For years, Murphy Company has been using a special glue-line additive to protect engineered wood products targeted for the Australia and New Zealand markets against destructive termite damage.

Murphy Company has adapted the same technology to produce veneer-core hardwood plywood resistant to borer, termites, lyctid beetles and other insects that attack engineered wood products and is proud to announce the availability of PlyGuard™.

Produced at Murphy's Eugene Hardwoods Plywood mill, PlyGuard is the perfect solution to protect your panel products against "wood damaging" insects. The encapsulation properties of this additive technology protects against exposure to dangerous materials, however, it is very effective in protecting engineered wood products against these insects.

PLYGUARD™ FEATURES

- Durable Fir Veneer Core
- FSC® and PEFC™ Certification Available
- Domestically Produced
- ULEF
- TSCA Title VI Compliant
- Satisfies LEED and Green Project Requirement
- Meets Australian/New Zealand Standards

HOW IT WORKS

The protection technology used in PlyGuard is engineered specifically to combat insect damage to veneer-based wood products. The implementation is the use of an additive to the veneer core glue lines during the manufacturing process.

The active ingredient of the insecticide is encapsulated in a specially formulated polymeric wall. Only a minute amount is added to the resin during production. Under the heat and pressure of plywood production, the active ingredient becomes bound to the wood fiber.

Side-by-side testing of treated and un-treated engineered wood products has proven this method's effectiveness (see picture at right).

The product used in PlyGuard is approved by the New Zealand Environmental Protection Authority (EPA NZ) and the Australian Pesticides and Veterinary Medicines Authority (APVMA).

Murphy Plywood has achieved CARB Phase II exempt status, TSCA Title VI compliance and is one of the few hardwood panel producers in the country with HP-1 mill certification.

Murphy industry association memberships include PEFC, DHA® (Decorative Hardwoods Association), KCMA® (Kitchen Cabinet Manufacturers Association), and AWFS® (Association of Woodworking & Furnishings Suppliers).



Treated (left) and untreated engineered wood after exposure to same termite environment.

SPECIFICATIONS

Description: PlyGuard™ Termite Resistant Hardwood Plywood

Size: Up to 49" X 97"

Thickness: 5.0 mm to 1-1/8"

Core: Fir with 1/6" veneer plies

Face/Back: Desired hardwood veneer

Certifications: FSC®, PEFC™, CARB Phase II, TSCA Title VI

* Panels meet HP-1 specifications

Specifications subject to change without notice



The mark of
responsible forestry



CARE AND HANDLING

Handling

Movement – Minimize damage to your panels by handling them as few times as possible. Plan the flow of materials to achieve a minimal movement goal. Please follow the precautions below to retain quality panel conditions.

Storage

Stacking – Maintain clean stacks with no edges protruding. Panels should be stacked flat on raised runners of equal thickness.

Light – The color of some hardwood veneers will change rapidly with exposure to direct sunlight. Keep panels covered and neatly stacked during storage.

Acclimatization

Allow at least 48 hours for panels to acclimate to the job site environment before installation. Again, the panels should be stacked flat on raised runners of equal thickness. The weight should be evenly distributed on the stack to help them acclimatize uniformly. If panels are not given enough time to acclimate to a new setting prior to fabrication or installation, they may warp.

Installation

Do not take panels to the job site until they are ready for installation (observe the above acclimatization step). Wall panels should not be installed over wet or unfinished drywall and an allowance for linear expansion should be included in the design.

Finishing

A light sanding and application of a sealer is recommended prior to staining of hardwood panels. Make sure to test a sample prior to final finishing. Please see our technical documentation section of the website for additional information.

