



We envision a world built with wood® that's enhanced with industry-leading technologies designed to extend the life of wood - the earth's most sustainable and versatile construction material.

For more than 80 years, Arxada's wood protection business unit has led the market in the delivery of trusted and innovative technologies. We are a long-time respected supplier in the field of wood protection, making wood resistant to mold and moisture, insects, fungi, smoke development and flame spread while enhancing its natural beauty.

Our approach to business is characterised by innovative products, valued global brands and exceptional customer service. Our brands instil confidence and provide peace of mind, as do our support services, which enable our customers to make the most of wood's unique and adaptable properties.

While our heritage runs deep, we continue to drive innovation. With a dedicated global in-house research & development team, we continually assess how our protection technologies can utilise modern actives to enhance the durability of wood as a sustainable resource.

As part of Arxada, we are something bigger. We can draw on a heritage of over 120 years of creating specialty ingredients and solutions that protect people, places and the planet. With unmatched expertise, Arxada is a leader in microbial control solutions covering hygiene, home, personal care, paints and coatings, crop protection, material protection and wood protection.

WOLMANIZEDWOOD.COM

STRUCTURAL PROTECTION

Offer peace of mind by providing defense against mold & termites.

FrameGuard®

WOOD PRESERVATIVE

What's Lurking Behind the Walls?



Did You Know ...



Termites colonize most land masses on Earth (except Antarctica). Their colonies range in size from a few hundred individuals to enormous societies with several million individuals. Termite queens have the longest lifespan of any insect in the world. Some have reportedly lived up to 30 to 50 years.




The level of mold infestation in a home will directly affect removal cost and whether or not a specialist is required to do the job. A crawl space, for example, could cost as little as **\$500** to repair but a whole house remediation cost could be **tens of thousands of dollars**.




Dry rot from fungal decay is caused by poor ventilation conditions that **result in cracking and powdering** of the wood. When dry rot occurs in the framing of a house, the damage may not be noticeable until it causes structural problems that require major repairs. Dry rot repair **costs rise** when the damage is extensive and wood needs to be removed and replaced. The location of the rot may cause repair costs somewhere in the range of a few hundred dollars to as much as \$50,000 or more.



RUTHLESS, DAMAGING TERMITES

- 

Termites cause more damage to homes in the US than fire, floods and storms, combined.
- 

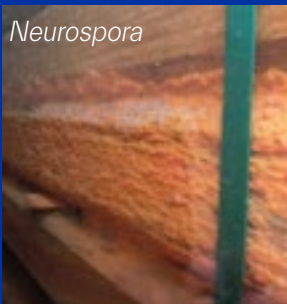
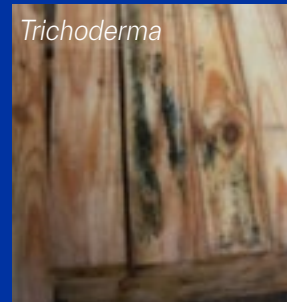
According to the National Pest Management Association, \$1.5 billion is spent on control and \$3.5 billion in damages per year.

The most common species of termite in the United States is the eastern subterranean termite. The largest subterranean termite colonies eat about a pound of wood per day. Additionally, the very destructive Formosan termite lives in large colonies that can destroy a structure in as little as three months.



Relative hazard of subterranean termite infestations in the United States according to the US Department of Agriculture Forest Service 2016 Home and Garden Bulletin.

COMMON WOOD DAMAGING MOLDS



DESTRUCTIVE, COSTLY MOLD OR DECAY

Mold, stain and decay fungi are not only undesirable but also cause billions of dollars in damage each year. Additionally, according to the Centers for Disease Control, exposure can cause a host of health problems, such as severe allergic reactions, chronic lung illnesses, infections, and more.



Mold likes dark, damp, unlit places like cluttered storage areas, recently flooded and poorly ventilated spaces, and basements. Mold likes wood and as it grows, it makes wood unsightly.



Mold on wood at a jobsite could cause returns and callbacks. Mold discovered behind the walls in a home could make it unsafe for habitation until the mold is removed by professionals.



Fungi is present in all climates and thrives in moisture-rich environments. If not controlled, fungi can begin to grow on wood within a matter of days thus destroying the appearance and eventually the performance.



Fungi also thrive in a damp climate and destroy wood by attacking the wood fiber, causing it to become soft and weak.

FRAMEGUARD® TREATMENT: PROTECTING WHAT YOU CAN'T SEE!

FrameGuard® treated wood is used for whole house framing, including roof trusses, wall panels, and structural members.

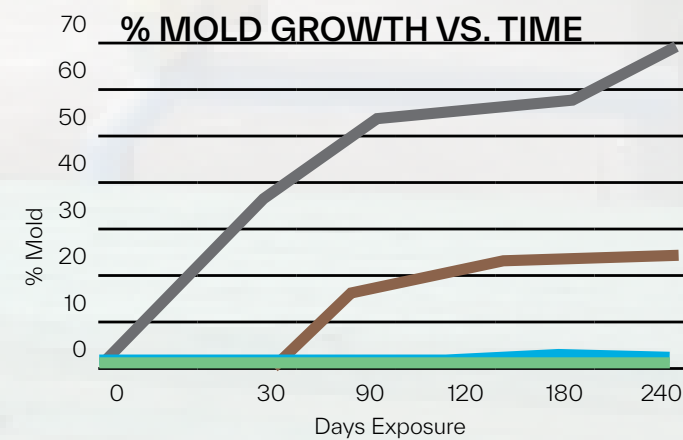
- Treated with anti-mold and preservative chemicals to protect against:
 - mold
 - termites (including Formosan termites)
 - fungal decay
- Developed and backed with a 20-year limited warranty by Lonza, a global leader in wood protection
- Treatment factory applied under controlled conditions
- Can be substituted for and handled the same as untreated wood
- Easily identified by a green colorant
- With appropriate topcoating, can be used for exterior trim



WOOD PRESERVATIVE

FRAMEGUARD®ADVANTAGES FOR TREATERS

- A mold-resistant product that helps reduce exposure to costly liability claims.
- 20-year limited warranty.
- Contains EPA-registered active ingredients that provide broad-spectrum protection.
- Factory applied at off-site truss plants, SIP plants, and wood treating plants under controlled conditions where quality coverage can be assured.
- Low-emitting VOC product that can assist in LEED®, NGBS Green Product Certification Program™ or EarthCraft® credits.
- Easy to handle and has minimal odor.
- Can be applied through spray or dip application.
- Waste material considered non-hazardous and can be disposed of in ordinary construction and demolition landfills.
- It's use does not require a pesticide applicator's licence.



In a field test of two species, FrameGuard® preserved samples and untreated controls were exposed to the intense elements in Ft. Myers, Florida. After nearly a year and 68+” of rainfall, there was significantly less growth of mold on corresponding samples of FrameGuard® wood. Weather-shielded samples of FrameGuard® wood had virtually no mold after the year's test.

Uncoated Pine
Uncoated Fir
FrameGuard® Pine
FrameGuard® Fir



FRAMEGUARD®ADVANTAGES FOR BUILDING PROFESSIONALS

- For minimal added cost to a structure, FrameGuard® treated wood provides a critical layer of protection against the dangers of mold and preserves structural integrity against termites and fungal attack.
- Offers peace of mind with a 20-year limited warranty.
- Cleaner and brighter lumber during storage, construction, and beyond; important for trusses and components that tend to be exposed to the elements longer than other framing materials.
- FrameGuard® treatment has no significant effect on strength of lumber and other wood products. FrameGuard® wood exhibits strength properties comparable to those of untreated wood of the same size, species, grade, and moisture content.
- FrameGuard® protects and penetrates the wood without releasing harmful levels of emissions. This provides years of long-term, sustainable residual protection, which leads to satisfied homeowners and repeat business.
- With appropriate factory-applied topcoating, FrameGuard® treated wood can be used as exterior trim & fascia board.
- FrameGuard® treatment is factory applied to the wood building components. It is fast and efficient and ready for use when it arrives on the job site. It protects every surface of the wood, leaving no blind spots or untreated areas. Field-applied treatments only protect the visible side.
- Builders can qualify to earn green building points such as
 - EarthCraft®
 - NGBS Green Product Certification Program™
 - LEED® for Homes

AWPA E12 Corrosion Test*

120°F and 90% Relative Humidity • Loss in Mills per Year

| Metal | 30-day | | 60-day | |
|-----------------------------|---------|---------|---------|---------|
| | Control | Treated | Control | Treated |
| Aluminum 2024 | 0.0 | 0.1 | 0.0 | 0.1 |
| Carbon Steel 1010 | 0.0 | 0.2 | 0.0 | 0.3 |
| Standard hot-dip galvanized | 0.6 | 0.3 | 0.4 | 0.3 |
| G 90 electroplated | 0.3 | 0.7 | 0.9 | 1.2 |

Fasteners. Two separate tests, one conducted in accordance with AWWA E12 procedures using small metal samples and the other involving actual metal truss plates, showed comparable corrosion levels for FrameGuard® wood and untreated controls. Specify the same hardware as you would for use with ordinary wood.

* Standard exposure is 10-15 days



FRAMEGUARD®ADVANTAGES

FOR HOMEOWNERS

- Ideal to protect the whole house from the roof trusses to the panel walls to the framing.
- Treatment gives your home protection against termites, mold and decay as well as provides general pest protection inside the walls.
- By using FrameGuard® treatment, the protection is where you actually need it instead of directly into the environment lumber.
- Offers peace of mind with a 20-year limited warranty.
- FrameGuard® can assist in earning green building points such as
 - EarthCraft®
 - NGBS Green Product Certification Program™
 - LEED® for Homes
- Used as a pre-treatment on wood in new construction to protect against subterranean and Formosan termites as well as wood-destroying insects.
- With appropriate factory-applied topcoating, FrameGuard® treated wood can be used as exterior trim & fascia board.