

Better Building with **GOODFELLOW** *Terra*® Earth Tone Ecological Treated Wood



Apply a weather-resistant finish

Pressure treating uses water to drive the wood preservatives into the wood. Once exposed to the sun, freshly treated wood will dry rapidly on the surface, while the interior remains very wet. This moisture difference can cause wood to shrink at different rates and result in cracking, splitting, warping and twisting. To slow down this surface drying and allow the wood to dry evenly, it is important to apply a high quality water repellent as soon as possible after installation of the wood. The water repellent will also help reduce water absorption, therefore minimizing the expansion and contraction of the treated wood used outdoors as it goes through wet and dry weather cycles.

Follow the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before finishing the entire project to ensure that it provides the intended result before proceeding.

Pilot holes

Drill pilot holes to minimize splitting especially when nailing or screwing near the edge or end of a board.

Cut ends / Field cuts

When building your outdoor project with pressure treated wood it is important to protect the cut ends, drill holes, and other field cuts.

- For pressure treated timbers and for pressure treated wood used in **ground contact applications**, two applications of a copper naphthenate based end-cut preservative must be applied to all saw cuts, drill holes and other field cuts at the time of construction before the wood is installed.
- For pressure treated wood used in **above ground applications**, such as deck boards, railings, post tops or fence boards, a brush on end-cut wood preservative or Sealer for Goodfellow Terra® Pressure Treated Wood should be applied to all saw cuts, drill holes and other field cuts at the time of construction.

Follow the manufacturer's directions for proper application.

Fasteners

Goodfellow Terra® treated with MicroPro® technology exhibits corrosion rates on metal products similar to untreated wood. Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. Aluminum building products may be placed in direct contact with Goodfellow Terra Pressure Treated Wood products used for interior uses and above ground exterior applications such as decks and fences, where the wood is not exposed to frequent and prolonged wetting.

Appropriate usage

Above Ground treated wood should not be used in ground contact applications, as this can adversely affect the performance of the entire project. The appropriate usage is noted on the end tag attached to each piece of Goodfellow Terra Pressure Treated Wood.

Mold growth

Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold.



IMPORTANT INFORMATION

Goodfellow Terra® Pressure Treated Wood products are pressure treated with MicroPro® Micronized Copper Azole to protect the wood against fungal decay and termite attack. The main ingredient in the preservative system is copper, which has long been known as an effective wood preservative. Goodfellow Terra uses micronized copper coupled with micronized tebuconazole for long-term protection of wood exposed in exterior applications.

- Do not burn treated wood.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative and/or pigment colour may migrate from the treated wood into soil, water or other surfaces. It may also dislodge from the treated wood surface upon contact with skin. Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Treated wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as freshwater docks and bridges.
- Do not use treated wood under circumstances where the preservative may become a component of food, animal feed, or beehives.
- Do not use treated wood as mulch.
- Only treated wood that is visibly clean and free of surface residue should be used.
- If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- Projects should be designed and installed in accordance with federal, provincial, and local building codes and ordinances governing construction in your area.
- Users should dispose of treated wood scraps and cut offs in accordance with local, provincial and federal regulations.

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Fastener and Hardware Information

MicroPro® technology offers many benefits including significantly improved corrosion performance. Goodfellow Terra® pressure treated wood with MicroPro technology exhibits corrosion rates on metal products similar to untreated wood.

For interior or exterior applications, use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. As with any good design and construction practices, Goodfellow Terra pressure treated wood should not be used in applications where trapped moisture or water can occur. Where design and/or actual conditions allow for constant, repetitive or long periods of wet conditions, only stainless steel fasteners should be used.

For exterior applications: The following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of treated wood which utilizes MicroPro technology:

- Fasteners - nails, screws, etc. ASTM A153 (1 oz./ft²)
- Hardware - connectors, joist hangers, etc. ASTM A653 G90 (0.90 oz./ft²)
- The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners to use for a given project containing treated wood.
- Stainless steel fasteners and hardware are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure, etc. Type 304 and 316 are recommended grades to use.

Other fasteners and hardware as recommended by the manufacturer: There may be additional products (other than stainless steel or hot-dip galvanized) which are suitable for use with Goodfellow Terra pressure treated wood. Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with Goodfellow Terra pressure treated wood. In addition, carbon steel fasteners may be used for interior, above ground, weather-protected applications such as sill plates, interior framing and interior trusses.

Aluminum building products may be placed in direct contact with Goodfellow Terra pressure treated wood used indoors or in above ground exterior applications such as decks and fences, where the wood is not exposed to frequent and prolonged wetting.

Examples of aluminum products include siding, roofing, gutters, door and window trim, flashing, nails, fasteners and other hardware connectors.

Goodfellow Terra pressure treated wood in **direct contact** with aluminum products should only be used in code compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to, or remain in contact with a continual moisture source, standing water or water immersion, such as fresh water docks, hot tubs and swimming pools.

In addition, Goodfellow Terra pressure treated wood should not be encased, sealed, or wrapped with aluminum products where moisture or water can be trapped, so as to avoid pitting or other undesirable results.

When using Goodfellow Terra pressure treated wood **in ground contact and/or high moisture applications**, it is recommended that spacer materials or other physical barriers are used to prevent direct contact of the treated wood and the aluminum products. A 1/4" space must be maintained between the treated wood and the aluminum product. Another option is to use a polyethylene barrier with a minimum thickness of 10 mils between the treated wood and the aluminum product to prevent direct contact.

We recommend you contact the aluminum building product manufacturer for their recommendations regarding their aluminum products in contact with Goodfellow Terra pressure treated wood used in ground contact applications or when Goodfellow Terra pressure treated wood is exposed to:

- salt water
- brackish water
- chlorinated water, such as swimming pools or hot tubs.

Also check with the aluminum product manufacturer regarding compatibility with other chemicals and cleaning agents. Contact **info@GoodfellowTerra.com** for further information on aluminum contact use in commercial, industrial, and specialty applications such as boat construction.

For more information, visit **www.GoodfellowTerra.com** or email **info@GoodfellowTerra.com**.