

GOODFELLOW *Terra*® Technical Data

Goodfellow Terra® Pressure Treated Wood uses MicroPro® preservative technology, a waterborne, micronized copper azole (MCA) system developed to provide long-term protection for wood exposed in exterior applications from fungal decay and termite attack. Goodfellow Terra Pressure Treated Wood can be used in residential applications (decks, fences, freshwater docks and landscaping) above ground, in ground contact and in freshwater contact.

Preservative	MicroPro® Micronized Copper Azole (MCA)
Brand Name	Goodfellow Terra® Pressure Treated Wood
Chemistry – Purpose	Micronized Copper – termite, fungal decay Micronized Azole – organic co-biocide for copper-tolerant fungi
Application / Commodity	Preservative Retention*
Above Ground Use	
• Fence Boards	0.03 pounds per cubic foot (pcf)
• Decking and Railing Components	0.04 pcf
• Joist and Beams	0.10 pcf
• Exterior Sheathing	0.10 pcf
Ground Contact / Freshwater Use	
• Deck/Fence Posts, Landscape Timbers	0.21 pcf
• Exterior Sheathing	0.21 pcf
Colour	Red-brown
Additives	Mold inhibitor, iron oxide pigments and colourants
Quality Control	Timber Specialties MicroPro Quality Assurance Program

Environmental Certifications



MicroPro technology certified Environmentally Preferable Product (EPP) by Scientific Certification Systems (SCS) based on Life-Cycle Assessment (LCA) studies in compliance with ISO standards 14044 and 14025.



MicroPro technology UL GREENGUARD GOLD certified for low volatile organic compound (VOC) emissions. Products certified to this criteria are suitable for use in schools, offices, and other sensitive environments.



MicroPro technology is Home Innovation NGBS Green certified for points toward National Green Building Certification to the ICC 700-2008 National Green Building Standard.

* Preservative retentions recommended by preservative manufacturer Timber Specialties Co. and/or the Canadian Standards Association.

Cut Ends / Field Cuts

For **ground contact applications**, two applications of a brush-on copper naphthenate-based end-cut preservative must be applied to all saw cuts, drill holes and other field cuts before the wood is installed.

For **above ground applications**, such as deck boards, railings, post tops or fencing boards, a Sealer for Goodfellow Terra Pressure Treated Wood must be applied to all saw cuts, drill holes and other field cuts at the time of construction before the wood is installed.

Follow the manufacturer's directions for proper application.

Fasteners & Hardware

Corrosion rates on metal products similar to untreated wood. Use fasteners and hardware designed for exterior construction in compliance with the manufacturer's recommendations and the building code for intended use.

May be placed in direct contact with aluminum building products used for interior and above ground applications where wood is not exposed to frequent and prolonged wetting.

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.

For more information, see the Goodfellow Terra Pressure Treated Wood Fastener and Hardware Information Sheet at **GoodfellowTerra.com**.

Safe Handling Practices

Wear dust mask, goggles and gloves when cutting, sanding and handling 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.

Wash work clothes separately from other household clothing before reuse.

Finishing

High quality water repellent or stain can be applied as soon as wood is dry to the touch.

Maintenance

Apply a high quality water repellent or stain to maintain the surface of the wood. Clean dirt and debris from the wood surface, as required.

Disposal

Clean up all sawdust and debris after construction.

Do not burn treated wood.

Residential users – trash collection or burial.

Commercial users – in accordance with local, provincial and federal regulations.

GOODFELLOW Terra®

Earth Tone Ecological Treated Wood

Environmental Certifications

Goodfellow Terra Pressure Treated Wood is processed using patented MicroPro micronized copper preservative. This technology reduces the environmental footprint of Terra to less than half that of traditional residential treated wood.

Environmentally Preferable Product (EPP)



MicroPro® was the first, and is the only, wood treatment process to be certified as an Environmentally Preferable Product (EPP), by Scientific Certification Systems (SCS), based on Life-Cycle Assessment. The MicroPro® wood treatment process systems were analyzed by SCS under an exhaustive environmental review process called Life-Cycle Assessment (LCA), in accordance with rigorous international standards set by ISO, the leading international standards setting organization. The MicroPro LCA studies are in compliance with ISO standards 14044 and 14025.

Reduced energy use – The MicroPro treated wood process reduces total energy use by approximately 80% and greatly reduces greenhouse gas emissions.

Largely eliminates copper releases – Wood products treated with the MicroPro process result in the release of 90% to 99% less copper into aquatic and terrestrial environments when compared to standard treated wood products. The very small amount released bonds readily to organic matter in the soil and becomes biologically inactive, thus effectively eliminating eco-toxic impacts.

Reduced air emissions – The solution containing the MicroPro copper preservative formula is more concentrated than the industry standard. As a result, fewer trucks are required for transport. Fewer trucks, combined with the absence of monoethanolamine (MEA) in the production process, result in a reduction of air pollutants from tailpipe emissions and associated impacts, including: soot, nitrous oxide, volatile organic compounds (VOCs), particulate matter, and reduced impacts of acid rain, smog, and oceanic acidification.

Reduced greenhouse gas emissions – The absence of monoethanolamine (MEA) in the production process, combined with the reduced use of fuel and fewer trucks, means that using MicroPro technology in lieu of standard wood treatment formulations reduces greenhouse gas emissions by thousands of tons each year.

UL GREENGUARD GOLD Certification



UL GREENGUARD GOLD Certification indicates that MicroPro preservative technology has undergone rigorous testing and has met stringent standards for low volatile organic compound (VOC) emissions.

Products certified to these criteria are suitable for use in schools, offices, and other sensitive environments.

Products bearing the UL GREENGUARD GOLD Certification mark meet strict testing criteria for volatile organic compounds (VOCs), helping to reduce indoor air pollution, minimize chemical exposure and create healthier indoor environments.

Goodfellow Terra products treated with the MicroPro technology are suitable for use in schools and office construction, and to create products such as children's playsets.

Home Innovation NGBS Green Certified



Micronized copper pressure treated wood technology has been approved for points toward National Green Building Certification to the ICC 700-2008 National Green Building Standard. Wood products treated with this technology are now eligible for more green building points than any other treated wood product in the market.