

# Fastener and Hardware Information

**Warning** – Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with NW100 pressure treated wood products. To prevent premature corrosion and failure it is important to follow the recommendations of the manufacturers for all metal products.

NW100 treated wood products are designed for long-term performance in outdoor applications and, therefore, require high-quality corrosion-resistant nails, screws, fasteners and other hardware.

- **For interior and 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, NW100 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.

Fasteners (and other metal products) for use with NW100 treated wood products include:

- **Hot-Dip Galvanized\***

Fastener and hardware manufacturers have suggested the minimum Hot-Dip Galvanized requirements for use with treated wood should conform to the following ASTM Standards: ASTM-A153 (for Hot-Dip fastener products) and ASTM-A 653 (Coating Designation G-185 for Hot-Dip connector and sheet products).

- **Stainless steel**

Stainless steel fasteners and connectors are required for Permanent Wood Foundations below grade and 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 the 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 NW100 pressure treated wood. Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with NW100 treated wood.

*\* Electroplated galvanized fastener and metal products are typically not accepted by the building codes for use in exterior applications, regardless of the type of wood used.*

- **Aluminum should not be used in direct contact with NW100 treated wood**

Spacer materials or other physical barriers are recommended to prevent direct contact of NW100 pressure treated wood and aluminum products. When using NW100 treated wood in close proximity to aluminum products, such as aluminum siding, flashing, furniture, and door and window frames, a 1/4" minimum spacing must be allowed for between the NW100 treated wood and the aluminum products. Polyethylene or nylon spacers can be used to maintain the 1/4" spacing. Another option is to use a polyethylene barrier, with a minimum thickness of 10 mils, between the NW100 treated wood and the aluminum product to prevent direct contact of the wood and the aluminum.

For more information, visit [www.nw100.ca](http://www.nw100.ca) or email [info@nw100.ca](mailto:info@nw100.ca).