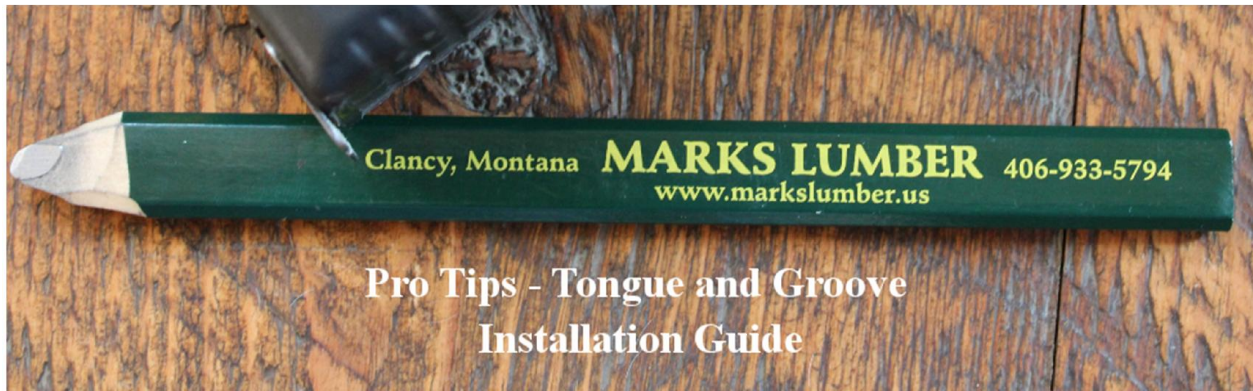


## Important Installation Information



### Overview

Proper installation of wood sidings is critical to their longevity. Marks Lumber recommends following Western Wood Products Association (WWPA) guide lines for installation and finishing of tongue and groove. Tongue and groove can be used for both interior and exterior applications.

Acclimatization is especially important for wood products like T&G that are installed edge-to-edge, over large areas. Letting all material reach climatic balance will benefit the quality of the install.

### Step 1: Acclimatization

Stacking T&G materials with space between them for 10 days is recommended for dried Marks Lumber products.

### Step 2: Pre-finishing/Finishing

Finishing is obviously a critical step to achieving a long term installation, and in dry climates pre-finishing is advised especially for exterior applications. Both sides, edges, and all cut ends should be pre-finished or primed. Make sure pre-finish is compatible with the final finish products.

Applying finish before installation makes sure that all of material is protected, and streaking from shrinkage is avoided.

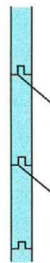
Note: Water-based finishes can add significant moisture to boards, and lead to swelling. Make sure that T&G is allowed to re-dry and acclimatize after pre-finish application, before installation.

### Step 3: Installation

Natural wood tongue and groove products to be

#### T&G Standard Nailing Pattern

6 Inch and Narrower



Use one casing nail per bearing to blind nail.

8 Inch and Wider



Use two siding or box nails 3-4" apart to face nail.

*Image taken from WWPA Technical Guide - "Natural Wood Siding Selection, Installation & Finishing" (C) 2002*

installed as exterior components or siding should be installed over a weather-resistive barrier for all sheathing materials. If sheathing or the weather resistive barrier gets wet prior to installation, allow surface to dry before material is installed.

When T&G is applied over wood-based sheathing, nail penetration should be 1 ½ inch for smooth-shank nails (not recommended) and 1 ¼ for ring-shank nails. The first course of material will usually need to be face nailed.

### **Vertical Installation**

T&G should be nailed to horizontal blocking not exceeding 32 inches on center. If installed over sheathing place a nail about every 6 to 10 inches.

To join pieces of T&G, cut bevel on ends of both pieces of material to be joined (scarf joint).

### **Horizontal Installation**

When installed over sheathing, T&G should be nailed to vertical studs on maximum 24 inch centers, and nailed every 6 to 10 inches. If nailed directly to studs, 16 inch centers or less are called for.

**Flat or Floor Installation – See our instructions for T&G flooring.**

### **Step 4: Maintain**

Most exterior finishes on natural wood products benefit from regular washings. A light pressure power wash with a product such as Perma-Chink Systems' Log Wash will remove dust and harmful pollen. Both interior and exterior applications can be affected by UV, so watching for finish coat failure and repairing is essential.

### **Further Information**

Contact Marks Lumber:

Phone: 406-933-5794

Email: [info@markslumber.us](mailto:info@markslumber.us)

Web: <http://www.markslumber.us>

This document draws heavily from the Western Wood Products Association guidelines. Complete installation guides can be purchased at their site:

Web: <http://www.wwpa.org>

#### **Do it Right, Do it Once!**

To ensure the lasting beauty of Marks Lumber T&G products, proper installation is critical.