



Tolko T-Ply Ultra Subfloor 180-Day No-Sand, Transferable, 50-Year Limited Warranty^[1]

Warranty Coverage

Subject to the limitations and exclusions provided below, Tolko Industries Ltd. ("Tolko") warrants to the builder ("Builder") who purchases and installs Tolko T-Ply Ultra Subfloor in a residence ("Home") as single-layer subflooring or subflooring with underlayment, and to the owner of the Home ("Owner"), that Tolko T-Ply Ultra Subfloor ("Panel"): (i) is manufactured to meet the applicable requirements of CSA O121, CSA O151 or U.S. Product Standard PS 1-09; and (ii) when properly stored, handled, installed, and maintained,^[2] within one hundred and eighty (180) days from the date of purchase (as evidenced by the purchase invoice): (a) will not delaminate^[3] for a period of 50 years from the date of manufacture, (b) the surface veneer will not puncture under normal installation and residential use conditions for a period of 50 years from the date of manufacture, and (c) will not require edge sanding due to moisture absorption within one hundred and eighty (180) days from the date of purchase by the Builder.

This limited warranty: (i) is transferable; (ii) applies only to Panels manufactured after January 1, 2013, and (iii) supersedes any warranty issued prior to that date and otherwise applicable. Panels are designated as "Exterior" grade as per CSA O121, CSA O151 or U.S. Product Standard PS 1-09 in place at the time the Panels were manufactured and are not suitable for permanent exposure to the weather or use in high moisture environments. This limited warranty for Tolko T-Ply Ultra Subfloor applies only to single-layer subflooring, or subflooring with underlayment, that have been installed using exclusively Tolko T-Ply Ultra T&G Subfloor and that has been installed according to your local building code.

Limited and Exclusive Remedy

If a Panel delaminates during proper installation or after proper installation because it is defective, Tolko will, at its sole discretion, offer one of the following exclusive remedies for claims covered by this warranty: (i) repair or replace the defective Panels or (ii) refund or credit the purchase price paid by the Builder for the Panels, as evidenced by the original invoice. Notwithstanding which of the above remedies Tolko elects to offer, Tolko may also, at its sole discretion, pay the reasonable cost to repair or replace the single-layer flooring, excluding removal and replacement of cabinetry and/or cover, at wholesale cost, the cost of floor coverings, and reasonable labour costs for removal and reinstallation. Tolko's total liability will not exceed the original cost of the floor and the reasonable cost to remove existing floor materials. If edge sanding is required on a Panel, Tolko will pay the reasonable cost of sanding the affected area only; cost not to exceed reasonable labour and tool time. All edge sanding claims must be made and warranty work must be completed prior to the installation of the original floor covering.

Reporting Claims

A warranty claim will only be considered by Tolko if: (i) Tolko is provided written notification of the claim within thirty (30) days after the defect is first discovered; (ii) a Tolko representative, or a professional designated by Tolko, is given reasonable opportunity to inspect the warranted Panels prior to any repair, replacement, alteration, or change, and (iii) all documentation has been submitted to Tolko within sixty (60) days after the claim is first reported. Upon request, Tolko must be provided reasonable proof of product identification in the form of a Panel sample, a photograph or a large identifying stamp, or a dated receipt. Written notification must be given by courier, email, or fax to Tolko, at the address provided below.

Exclusions from the Warranty

This warranty does not apply to any installation where the Panel will have permanent exposure to the weather, nor does it cover damage, claims, moisture absorption, or defects in the Panel, including delamination, warping, cracking, or splitting due to or arising from:

- (i) misuse or improper handling, storage, transport, installation, or maintenance;
- (ii) use of the Panels other than as residential subflooring or sheathing;
- (iii) alterations to the Home after the original installation of the Panel;
- (iv) acts of God or severe weather including rain, flood, tornado, hurricane, earthquake, hail, or similar natural disaster;
- (v) corrosive elements;
- (vi) mold and mildew, termites, or other wood-destroying organisms; or
- (vii) damage caused by persons other than Tolko.

Exclusions of Other Warranties, Express or Implied

Other than this warranty, Panels are sold "as-is" and "with all faults." The warranties and remedies provided above apply to the Builder and Owner only and are the sole and exclusive remedies except as may otherwise be required by law, and are made in lieu of and to the exclusion of all other warranties, express or implied, including but not limited to warranties of merchantability or fitness for a particular purpose. Tolko will not be liable for any special, indirect, incidental, consequential, or punitive damages, including without limitation, lost profits, loss of use, or any other type of damage regardless of the theory under which such damages are sought.

Other Rights

This warranty confers specific legal rights. The Builder and the Owner may have other rights, which vary from province to province and from state to state.

Governing Law and Attornment

This warranty is governed by and will be construed in accordance with the laws of the Province of British Columbia and the laws of Canada applicable therein. Tolko, the Builder and the Owner shall each attorn to the jurisdiction of the courts of the Province of British Columbia with respect to any dispute arising under this warranty.

[1] Limitations and exclusions apply. See details of warranty and exclusions set out herein.

[2] In compliance with the current recommendations of Tolko [refer to Tolko website for "current recommendations"].

[3] "Delaminate" means an extensive physical separation of veneers within the Panel that results in a material reduction in the structural properties of the Panel. Minor surface imperfections such as localized checking on the Panel surface do not constitute delamination.

For more information, please contact:

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For more product information,
please visit our website at
www.tolko.com

Choose the right Tolko plywood subfloor^[1] panel

Tolko T-Ply Ultra Subfloor, our best plywood panel, provides superior stiffness with its Douglas Fir premium grade face veneer and a precision-sanded, smooth and puncture-resistant surface. And the convenient fastener guide (*Figure 1*) on the panel face facilitates speed and accuracy during installation. Tolko T-Ply Ultra Subfloor is produced and certified according to the CSA O121 standard and U.S. Product Standard PS 1-09, quality-assured by a third-party grading agency and backed by a transferable, 50-year limited warranty.

Storage and handling

Structural plywood, like any other panel product, requires proper handling and storage. Despite its sturdy cross-laminated construction, face veneers, panel edges and panel corners are vulnerable to damage and should always be protected, especially on tongue-and-groove products.

Plywood is manufactured at low moisture content and, while small changes in moisture content will not appreciably affect its dimensions, large changes should be avoided.

Wherever possible, to help retain panel flatness, store this product under a roof on at least three well-spaced and level bottom bunks for good support.

While Tolko T-Ply Ultra Subfloor products ship with durable, tear-resistant woven-poly bag covers to provide protection against moisture and other contaminants, they are not intended to provide protection for prolonged exposure to the elements.

Take care! Do not set bundles in puddles or store where frequent splashing or wind-driven rain or snow may cause moisture to work into, or condense under, the bag and wet the plywood.

Apparent or non-apparent abrasion and puncturing of the bag may occur during shipping and handling which, in turn, will reduce the effectiveness of the protection. If a damaged bag or an improperly covered package is observed, the product should be moved to inside dry storage, and the bag removed to allow any moisture to evaporate. It should only be returned outside after adequate protection is reapplied.

Installation instructions specific to T&G Residential Subfloor

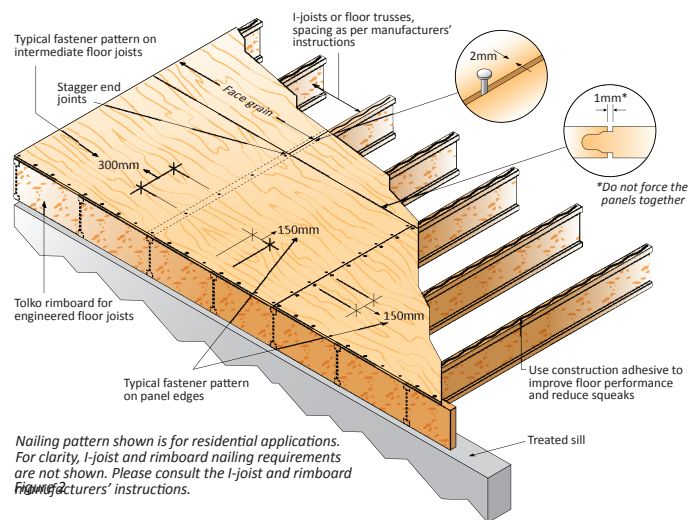
- 1) Always lay the Tolko plywood panels with the face grain oriented perpendicular to the floor joists. If you do not have a straight reference line to start with, use a chalk line to create one.
- 2) If you use subfloor adhesive, make sure to spread it over an area small enough so that the adhesive will not dry prior to the plywood installation. Install the first panel with the grooved edge parallel to your reference line (*Figure 2*).
- 3) To fasten the panels, use the fastening guide spacing visible on the face of the Tolko T-Ply Ultra T&G Subfloor plywood subfloor. (Space the fasteners at 150mm on center along the perimeter and 300mm on center at the intermediate floor joists.)
- 4) Use 2" nails (common, grooved or spiral) or 1-3/4" floor screws to fasten the panel.
- 5) Install the second panel at the end of the first one leaving a 2mm expansion gap and complete the first row, leaving the 2mm expansion gap between each panel.
- 6) For the second row, start by cutting the first panel to offset end panel joints. (End panel joints always coincide at floor joist locations.) Install the second row panels and subsequent rows leaving a 1mm expansion gap between the tongue-and-groove edges.
- 7) Never use excessive force to fit the T&G joint together as the 1mm expansion

gap is important to avoid panel buckling when exposed to temporary wet conditions.

- 8) Congratulations. You now have a great floor. For optimal performance, make sure to keep your new floor dry.
- 9) Depending on your selection of floor covering, you may need to install a Tolko plywood underlayment^[2] product. **Refer to the instructions of your floor covering manufacturer and consult our website at www.tolko.com to learn more about Tolko ULAY Premium Underlayment.**
- 10) For Square Edge installation, refer to instructions from end-use designer.



Figure 1



Nailing pattern shown is for residential applications. For clarity, I-joist and rimboard nailing requirements are not shown. Please consult the I-joist and rimboard manufacturers' instructions.

Tough. Tested. Tolko.

An industry leader since 1956, Tolko is a supplier of proven plywood and veneer products for the residential and light commercial construction market, and a trusted partner for the professional floor layer or the do-it-yourselfer. Backed by more than 50 years of experience, Tolko will help you lay the groundwork for your flooring project.

[1] SUBFLOOR: The term 'subfloor' specifically refers to the first layer of structural panels directly attached to the floor joists.
 [2] UNDERLAYMENT: The term 'underlayment' refers to the layer of panels to which the floor covering will be directly affixed.