

Warranty Coverage

Subject to the limitations and exclusions provided below, Tolko Industries Ltd. (“Tolko”) warrants to the building owner (“Owner”) that Tolko ULAY Premium Underlayment is: (i) manufactured to perform as a non-structural floor underlayment for residential use; and (ii) for a period of 50 years, when properly stored, handled, installed, and maintained^[2] within 180 days from the date of purchase (as evidenced by the purchase invoice):

- (i) will stay flat and true creating a smooth surface under floor coverings when applied and installed in accordance with all directions and instructions of the floor covering and adhesive manufacturer;
- (ii) will not delaminate;^[3]
- (iii) will not bleed^[4] through to, or discolour,^[5] interior vinyl floor covering; and
- (iv) will not allow core void breakthrough.^[6]

Tolko ULAY Premium Underlayment is not suitable for direct exposure to the weather or for use in wet applications. This limited warranty: (i) is transferable for 50 years; (ii) applies only to Tolko ULAY Premium Underlayment manufactured after January 1, 2013; (iii) supersedes the “Tolko Interior Vinyl Floor Covering Underlayment 10-Year Limited Warranty,” and the Riverside Forest Products “7-Year Limited Warranty;” and (iv) applies only to Tolko ULAY Premium Underlayment purchased and installed in Canada.

Limited and Exclusive Remedy

If Tolko ULAY Premium Underlayment does not perform as specified herein, Tolko will, at its sole discretion, offer either of the following exclusive remedies: (i) repair or replace the defective Tolko ULAY Premium Underlayment; or (ii) refund or credit the purchase price paid by the original purchaser, as evidenced by the purchase invoice.

Notwithstanding which remedy Tolko elects to offer, Tolko may also, at its sole discretion, pay the reasonable costs to repair or replace interior vinyl floor covering damaged as a direct result of the defective Tolko ULAY Premium Underlayment. Tolko’s total liability will not exceed three (3) times the original purchase price of the defective Tolko ULAY Premium Underlayment.

Reporting Claims

A warranty claim will only be considered by Tolko if: (i) Tolko is provided written notification of the claim within 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 Tolko ULAY Premium Underlayment and interior vinyl floor covering prior to any repair, replacement, or alteration; and (iii) all documentation has been submitted to Tolko within 60 days after the claim is first reported. Upon request, Tolko must be provided reasonable proof of product identification in the form of a Tolko ULAY Premium Underlayment sample, a photograph, or a dated receipt. Written notification must be given by courier, email, or fax to Tolko, at the address provided below.

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

[2] If properly installed in accordance with the most restrictive of the following at the date of installation: (i) requirements specified by Tolko; (ii) the requirements of the interior vinyl floor covering and adhesive manufacturers; or (iii) the engineer or architect of record.

[3] “Delaminate” means a visible separation between plies. Normal wood characteristics, such as checking, leafing, splitting, and broken grain, are not considered to be delamination.

[4] “Bleed” means the transfer of an unwanted colour from any natural chemical in the wood veneer, resins used to bond them, or any coating applied to the surface by Tolko.

[5] “Discolour” means an unwanted change in the surface colour of the interior vinyl floor covering caused from any natural chemical in the wood veneer, resins used to bond them, or any coating applied to the surface by Tolko. This does not include bleaching or yellowing or other discolouration caused by ultraviolet exposure.

[6] “Core void breakthrough” means a puncturing of the interior vinyl floor covering and the surface veneer layer due to a void in the second layer in the veneer from the surface of the plywood during normal use.

[7] “Seam telegraphing” means the appearance of a line, bump, or indentation on the interior vinyl floor covering directly above the point of intersection of two plywood panels caused by improper installation.

Tolko reserves the right to update, change, modify or otherwise revise this publication without notice. The current and official product warranty is posted on the Tolko website at www.tolko.com/resources/warranties and supersedes any other warranty expressed or implied.

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

To get a smooth, puncture-resistant surface for your resilient flooring or ceramic tile and to reduce ceramic tile cracking and popping, start with the right Tolko plywood underlayment.

Tolko ULAY Premium Underlayment has a superior panel face veneer is precision-sanded and extremely smooth. Exterior-grade glue provides greater panel stability. Professional installers have trusted Tolko ULAY Premium Underlayment for decades. Its high quality inner ply offers solid support for a puncture-proof surface. It's the best underlayment product on the market today, from a company you know and trust. Tolko ULAY Premium Underlayment offers a transferable, 50-year limited warranty against delamination, discolouration, bleed-through and puncture.

Each Tolko ULAY Premium Underlayment panel is equipped with Tolko's ink-jetted fastener guide (Figure 1) to facilitate speed and precision during installation. Ensure the best quality finished floor; follow Tolko's panel storage, handling and installation instructions.

Storage and handling

Keep panels clean and dry prior to and during installation. If possible panels should be installed immediately prior to floor covering installation. Roughly or excessively handled panels and/or heavy traffic on installed Tolko ULAY Premium Underlayment panels will damage the finished floor.

Installation instructions – RESILIENT FLOORING

- 1) Panels must be allowed to acclimate to the temperature and humidity of the room in which they will be installed for at least 48 hours prior to Tolko ULAY Premium Underlayment installation. The panels should be stacked, separated by pieces of lathe, allowing for sufficient air-flow between each panel.
- 2) Ensure the subfloor^[1] surface is completely dry, structurally sound, secure and level. This includes the scraping and vacuuming of all foreign matter, construction dust and debris. Tolko ULAY Premium Underlayment panels are not suitable for use on concrete floors, board subfloors, or on applications below grade.
- 3) A moisture test of the main subfloor panels and the Tolko ULAY Premium Underlayment is recommended. Moisture differentials greater than 5% may create problems with the finished floor.
- 4) For renovation installations: The existing resilient flooring floor should be punctured every 150mm to 200mm (6" to 8") to allow moisture to escape. For best results, insert a nail into a drill and puncture. Tolko ULAY Premium Underlayment can only be applied over one layer of existing resilient flooring.
- 5) Crawl spaces must have cross-flow ventilation and must be equipped with a vapour barrier having a minimum clearance of 460mm (18") from crawl space floor.
- 6) Install all Tolko ULAY Premium Underlayment panels with the grain running in the same direction as the subfloor (perpendicular to the floor joists). Install Tolko ULAY Premium Underlayment panels at right angles to the floor joists, making sure the underlayment^[2] seams offset any subfloor panel seams by at least 200mm (8") (Figure 2).
- 7) Stagger the Tolko ULAY Premium Underlayment panels, offsetting the underlayment joints by at least 300mm (12"). Ensure that four corners do not meet. Panels must be lightly abutted to each other, leaving no gaps. Do not force the panels together.
- 8) Leave a minimum 6mm (1/4") gap between the wall and panel edges around the perimeter of the room to allow for expansion. All factory edges should meet in the centre of the room, with custom cut edges at the perimeter. To ensure smooth custom cuts, whenever possible, panels should be cut from the back side using a multi-tooth carbide-tipped circular finishing saw blade with a depth of cut slightly greater than the panel thickness.
- 9) When stapling, ensure Tolko ULAY Premium Underlayment panels are in firm contact with the subfloor. Use the ink-jetted fastener guide on the face of the panel. Staple each Tolko ULAY Premium Underlayment panel by fanning fasteners out from the leading edge using the ink-jetted fastener guide. Secondly, fasten every 100mm (4") throughout the field and complete by fastening every 50mm (2") along the panel edge 6mm (1/4") in from the edge of the floor's perimeter.
- 10) Staple the panels one at a time, individually, completely fastening each panel before installing the next one. **Do not lay and tack the whole floor.**

Recommended fasteners: Narrow Crown SX or L series Galvanized 18 gauge floor staples. For installation over a 15.5 mm (5/8") subfloor, use a 7/8" leg length. For installation over a 18.5 mm (3/4") subfloor, use a 1" leg length. For all installations, ensure staples are long enough to extend at least 85% of the way into the subfloor, but do not extend through the bottom of the subfloor or into the supporting floor joists. To prevent splintering, ensure staples are installed parallel to the face grain.

Do not use screws.

Do not glue to subfloor.

- 11) All Tolko ULAY Premium Underlayment panel edge joints must be sanded smooth and level to the touch. For best results, use a belt sander (with 80 grit paper) running at a

45 degree angle to the joint. Do not oversand.

- 12) Joints can be treated with a liquid white acrylic latex patching compound additive applied with a cloth to seal the edges against the effects of moisture.
- 13) Panels are to be prepared as per floor covering manufacturer's instructions.
- 14) Apply adhesive and floor covering in accordance with directions and instructions of the manufacturer. The manufacturer may have more requirements than the minimum building code.

Installation instructions – CERAMIC TILE

Follow resilient flooring installation instructions, except as follows:

- 1) The subfloor and underlayment must combine for a total thickness of 1-1/16" for residential and 1-1/8" for commercial construction as per The Tile Council of North America specification F143-03 (www.tcnatile.com).
- 2) Leave a minimum 6mm (1/4") gap between the wall and panel edges as well as 6mm (1/4") between each Tolko ULAY Premium Underlayment panel.
- 3) Narrow crown, clear resin-coated chisel point staples or ring-grooved underlay flooring nails are the preferred fasteners. Flathead countersunk wood screws may be used as an alternative.
- 4) Ceramic tile must be adhered in accordance with directions and instructions of the manufacturer using setting materials that are compatible with wood products.



Figure 1

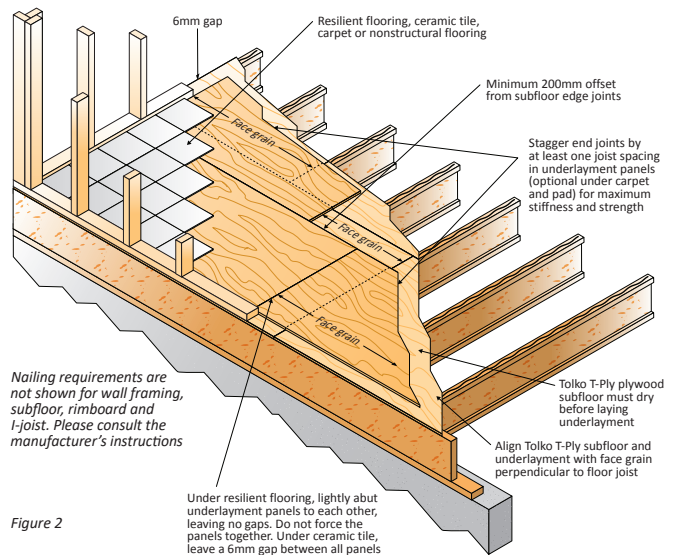


Figure 2

True. Trusted. 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.