
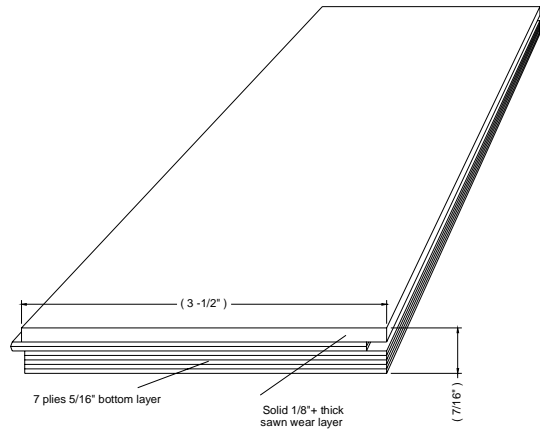


Chapter 9 - Tekno Engineered SuperStrip Warranty **July 2003**

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	Tekno Rekord-Maxi 7/16" x 3-1/2" Engineered 2-Ply SuperStrip	
	Drawing: F- E - Tekno Maxi	Date: March 1, 2003 (1) 856-764-2501 www.teknona.com





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Forward to Warranty - How About the Truth !

The Truth

Tekno NA prefers to set the performance expectations for wood flooring and flooring finishes in a realistic manner up front. In doing so, we believe a little truth goes a long way !

If you read most of the other wood flooring manufacturer's warranties, you will find in big bold print outlandish claims such as:

Lifetime Finish Warranty & Lifetime Structural Warranty ! Some offer 25 year warranties, some offer 15 year, some merely 10-year warranties. What does it all mean ? Is one manufacturer's product really that much better than another's ? Is one warranty better than another ?

Before we address these issues and delve into what exactly hides in their warranty "fine print", Tekno NA would like to look at two separate issues:

The Properties of Wood

All wood flooring is constructed of either solid wood, (just one piece in thickness), or engineered wood, (comprised of several layers of wood). As such, because wood is a living material, it reacts with water in much the same way your kitchen sponge does:

1. It can and will absorb water when exposed in the form of a liquid, or also draw in/give away water from the humidity in the atmosphere and/or the subfloor the flooring touches.
2. When it does absorb water, wood swells in size and may cup/crown.
3. When it dries out, wood shrinks in size and may also cup.

The only difference between engineered wood flooring and solid wood flooring is that engineered flooring, because it is bonded in alternating layers with the grain in each layer in an opposite direction, makes the wood somewhat more stable, (partially limiting how much the floor swells/shrinks) than solid wood flooring. However, engineered wood flooring still swells/shrinks as it gains/loses moisture ! And just like a sponge, wood flooring can crown or cup depending on how much and from where the floor gains/loses moisture.

Each species of wood shrinks/swells at a lesser/greater rate unique to each species. This is a simple mathematic formula. (See Tekno's Species Technical Information – www.teknona.com/Species Movement-in-Service Chart). For each gain of 1% of moisture content a certain species of wood will gain X% in width. This formula simply represents the physical laws that apply to that individual species of wood, and they are immutable.

So, the bottom line is, no manufacturer warrants wood flooring to be impervious to water ! (More on this when we get to the "fine print" section).



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Forward to Warranty - How About the Truth !

The Properties of Finishes

All finishes, even with all the recent improvements to durability, will scratch and dent. If you drag something heavy across the floor, you scratch the finish and perhaps even get under the finish itself and scratch/gouge the underlying wood, while also pulling the overlying finish off.

All finishes will dent when pressed hard enough. Depending on the hardness/softness of the wood underneath the finish, the wood itself will dent to an even greater/lesser degree in direct proportion to the wood's hardness. See Tekno's hardness chart at www.teknona.com/SpeciesHardness.

All finishes will wear from abrasion. If you allow sand and grit to lie on the floor, foot traffic will grind the finish down. Excessive foot traffic will also do the same over time. Initially, the finish will dull in these areas. Eventually, the finish will wear down to bare wood if not recoated beforehand.

So the bottom line is, once again, no flooring manufacturer warrants their finish to be impervious to wear, much less abuse, and all have a long list of what they consider abuse. (Once again, more on this when we get to the "Fine Print" section)

However, the good news is the ongoing finish revolution. In the past five years there have been vast technological improvements to flooring finishes with continued advances being made each day. Over the last five years, finish wear-ability has increased five-fold and new formulas are coming on the market just now that increase durability twenty-fold. This is the result of adding hard particles to the finish and using new harder resins. While all this improvement brings finished flooring closer to "the holy grail" of total imperviousness, finishes still aren't there yet. Now to the Fine Print !

The Usual Fine Print

Here is what is typically excluded in the fine print from the so-called "Lifetime Warranties" many manufacturers tout today.

On Wood:

- 1) Engineered Wood Flooring – will not delaminate – (only if not soaked in water, either from below/above).
- 2) Engineered Wood Flooring – will not move – (only if not soaked in water from above or below and if installed on a site that is maintained with a relative humidity between 40% and 60%).



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On Finish:

- 1) Will not peel/blister – (only if not soaked in water or exposed to chemicals/solvents/alkalines/acids).
- 2) Will not wear through to bare wood – (residential use only & only if proper maintenance procedures are followed, meaning keeping them clean and free from grit. In addition, many manufacturers require recoating when showing first signs of wear).

The Warranty Killers

Here is what is included in the fine print as warranty “killers” by most manufacturers:

- 1) Soaking in water from above or below.
- 2) Wet mopping & failure to clean up spills.
- 3) Wet subfloor.
- 4) Relative humidity at site below 35% or above 65%.
- 5) Failure to protect the floors from sand/grit, pets, high heels, chair/furniture without protectors, lack of mats at entry ways, excessive foot traffic, household chemicals, abrasive cleaners, etc.

Also, one should know most finish warranties don't consider a change in sheen/gloss levels to be a defect – only peeling or complete wear-through is.

Conclusion

So the answer to the question - “Is one manufacturer's warranty of ‘Lifetime’ better than another at ten years?” - is that the Lifetime Warranty is only slightly better. This is due to the fact that almost all causes for possible product failure (other than manufacturing process failures such as finish adhesion and glue bonds, which almost always appear within one year) are excluded in the fine print anyway !

And, as most reputable flooring manufacturers quickly take advantage of the new improvements to finishes and engineering as they become available from their suppliers, most similar flooring products are roughly equal in performance, regardless of warranty. You just have to be sure that the latest High-Wear finishes are being used.

Tekno NA's approach to warranties is to be realistic about product performance and equally open about our warranty and its limitations. Our fine print is reserved only for legalese.

Tekno NA is also committed to using the latest technological advances in finish and engineering as they become available, always offering the finest flooring on the market.



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Warranty: Tekno SuperStrip Collection

Warranty Overview

What is covered under this Limited Warranty:

Tekno 2-Ply Pre-finished Rekord Primo & Rekord-Maxi SuperStrip – manufactured & sold after December 1, 2001.

Who is covered under this Limited Warranty:

The original buyer/installation site owner when the flooring is used in a residential (as opposed to commercial) setting. (Note: This warranty is non-transferable to subsequent owners.)

Installation Instructions to use:

[Tekno 2-Ply Engineered SuperStrip Wood Flooring Installation Instructions](#)

Maintenance Instructions to use:

[Tekno's Maintenance Instructions](#)

Claims Procedures:

In the event of a claim, please visit our web site at www.teknona.com/claim form to download our claim form. Upon receipt of the written claim, Tekno NA will act expeditiously to settle the matter but reserves the right to physically inspect the floor and remove samples for lab tests. Tekno NA shall report its findings back to you within 60 days of receipt of the written claim.



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Warranty: Tekno SuperStrip Collection

Tekno NA Limited Warranty

Tekno NA's "Warranties - How About the Truth !"

Please review this section prior to reading this warranty. See pages 2 & 3.

Tekno NA warrants our flooring, within Industry Standards #1, to be:

- Free from defects in materials and workmanship when it leaves our possession.
- Of the grade written on our invoice.
- Of the finish quality represented in our samples and in our technical specifications.
- Between 7% - 8.5% moisture content as taken from the box.

Note: #1 - Standard industry trade practices allow up to 5% of the flooring shipped to contain milling, handling, finish and/or grade defects. This warranty applies only to that material in excess of 5% that is deemed to be defective. When ordering flooring, it is standard trade practice to order 7% more flooring than actual coverage needs to allow for cross cutting and fitting waste as well as allowing the installer to set aside any substandard pieces.

Pre-Installation Warranty

- Tekno NA will, at its option, either replace or refund the purchase price of any flooring found to be defective, prior to installation, in excess of the 5% of mis-milled/mis-graded/mis-finished product allowed to be included under Standard Industry Trade Practices.
- Tekno NA will, at its option, either replace or refund, upon return to Tekno NA, the purchase price of any uninstalled flooring found to be at a higher moisture content, when taken from the box, than the 7 - 8.5% moisture content Tekno NA represents the flooring to be produced to.

Note: It is the installer's responsibility to check the moisture content first and deem it acceptable for the site. The installer must also inspect the flooring as it is installed and set aside or crosscut out defects found prior to installation. Once the flooring has been installed, the installer has deemed the flooring acceptable and Tekno NA assumes no further responsibility for defects visible at the time of installation which have been installed anyway.



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Warranty: Tekno SuperStrip Collection

Tekno NA Limited Warranty

Post-Installation Warranties

Finish Warranty:

Pre-finished flooring is flooring supplied with a film finish already applied at the Factory. Industry Standards allow up to 5% of the flooring shipped to contain milling, handling, and grade defects as well as occasional finish defects.

- Tekno NA's Pre-Installation Warranty, on the preceding page, covers the replacement/refund for any flooring returned to Tekno NA in excess of 5% of the total flooring shipped with visible defects, including finish defects, prior to installation.
- Tekno NA warrants to the original purchaser that for a period of 15 years from the date of purchase the finish shall not peel or blister from the floor under normal Residential (as opposed to Commercial) use conditions - see exceptions below.
- Tekno NA warrants that the finish will not wear through to the bare wood for a period of 15 years from the date of purchase under normal Residential (as opposed to Commercial) use conditions – see exceptions below. Note: changes in gloss level are not considered a defect.

Resanding Warranty:

- Tekno NA warrants this flooring can be re-screened/refinished three times by a professional refinisher, (for repair purposes/to change stain color) – see exceptions below.

Structural Warranty:

- Tekno NA warrants to the original purchaser that this floor will not delaminate for a period of 15 years from the date of purchase under normal use conditions – see exceptions below.

Moisture Warranty:

Tekno NA warrants to the original purchaser for a period of 15 years, this floor will not delaminate nor will the floor buckle/warp excessively ^{#2} so long as [Tekno's SuperStrip Collection Flooring Installation Instructions](#) were followed when installing this flooring – see exceptions below. Note: For installation over concrete sub-floors, this warranty is valid only if the flooring is installed over a sheet vinyl moisture barrier or a WaterStop foam underlayment according to the instructions of the sheet vinyl manufacturer or WaterStop manufacturer. See [Tekno's SuperStrip Collection Flooring Installation Instructions](#) for complete details.

^{#2} – We recommend you maintain your relative humidity at the installation site between 40% and 60%. In geographic areas which experience large seasonal changes in relative humidity/temperature and vary seasonally between the full 40% and 60% range, it is natural for some minor expansion/contraction to occur due to the inherent physical properties of wood. These visual changes should self correct seasonally. WFI is not responsible for greater movement, which may occur on installation sites which are drier/wetter than the suggested 40% - 60% relative humidity range.



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Tekno NA Limited Warranty

Installer’s Responsibilities:

It is the installer’s responsibility to follow [Tekno NA’s SuperStrip Collection Wood Flooring Installation Instructions](#), which include complete instructions, in much greater detail than outlined below, on the following topics:

- Inspect the flooring upon arrival to ensure:
 - you received the quantity, species, grade and size flooring you ordered.
 - there was not any handling damage or water damage in transit (in which case you need to lodge a claim with the transport carrier – Call Tekno NA, who can assist you with this).
- Prepare an installation plan, based on testing, at the flooring site, of both the subfloor for acceptable moisture content and the site atmosphere for the proper range of relative humidity. The installer must keep a record that lists the results of all the tests taken. Request a copy of [Tekno NA’s Permanent Installation Record](#) on which to record these results, as Tekno NA will request a copy of the job record in reviewing any claims made against this warranty.
- Make sure the flooring received meets the buyer’s expectations prior to installation and they approve such issues as:
 - the color/grain range, the color change to be expected in the specie chosen, and how the freshly installed floor may vary in look from the aged samples from which their selection was made.
 - establish that the site and sub floor are suitable for the installation method chosen and advise the buyer of and correct any deficiencies prior to commencing installation.
- Install the flooring properly. This includes:
 - Use of the proper moisture barrier/underlayment, mastic, glue, or nails/staples.
 - Perform adequate color/grain selecting as you install the floor, so as to not install “odd colored/grained” pieces in conspicuous places, as the owner may reject them later.
 - Protect the flooring and the finish during installation and protect the flooring afterwards from construction and move-in foot traffic to minimize scratching and wear.
- Instruct the end user in proper floor & maintenance care as well as the need to maintain proper relative humidity levels at the site. Please see [Tekno NA’s Maintenance Instructions](#).



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Tekno NA Limited Warranty

What is not covered under this Limited Warranty includes but is not limited to:

- Claims made on pieces of flooring installed with visible defects, as it is the installer's responsibility to set aside pieces with visible defects and not use them. Flooring, once installed, is deemed accepted.
- Claims made on pieces of flooring installed with excessive color/grain variation as it was the installer's responsibility to inspect the flooring prior to installation and install the flooring in a random and harmonious mix.
- Color changes in the wood as it ages or from exposure to sunlight.
- Variation in the color/graining of the installed floor from showroom samples, as the samples most likely will have aged and changed in color, gaining the patina of a partially or fully aged floor.
- Excessive swelling and/or shrinkage or other movement, such as cupping & delamination, in the flooring caused by a change in the moisture content due to extreme dryness/ humidity on the site which is outside the recommended 35% - 65% relative humidity range to be maintained for this product.
- Excessive swelling, cupping &/or delamination in the flooring caused by an increase of moisture content in the wood from moisture sources below the floor, such as a wet sub-floor, or from moisture from above from such sources as spills, excessive wet mopping, pets, etc.
- Insect infestation if it occurs subsequent to the date on which the product passes out of Tekno NA's control.
- Damage, excessive movement or defects caused by:
 - improper shipping, handling and/or storage after the product leaves Tekno NA's possession and control.
 - improper preparation or excessive moisture content of the surface on which this product is installed.
 - excessive moisture from natural disasters such as flooding, broken pipes, etc., in which case your homeowner insurance company should be contacted.
 - excessive wet mopping or failure to clean up spills and standing water.
 - improper installation whereby [Tekno NA's SuperStrip Collection Wood Flooring Installation Instructions](#) are not followed.
 - improper application/use.
 - improper maintenance and failure to follow [Tekno NA's Maintenance Instructions](#).
- Finish damage & wear caused by:
 - Commercial Use.
 - Abuse / abnormal wear including pet scratches, indenting from "high heels", dropped or dragged heavy objects, improper maintenance, failure to protect entry & high wear areas with mats, etc. as reviewed in [Tekno NA's Maintenance Instructions](#).
 - Any subsequent site refinish compatibility/panelization issues, as this is the site installer/ refinisher's responsibility to: 1) adequately test the finish they propose to use for proper adhesion bond and, 2) get approval from the end user for the look of the finish they propose to use prior to actually re-finishing the floor.



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Warranty: Tekno SuperStrip Collection

Tekno NA Limited Warranty

Tekno NA Warranty – “the fine print”:

Tekno NA neither assumes nor authorizes any other person to assume for it any other obligation in connection with the sale of this product. This writing is the complete and exclusive statement of the warranty, and is in lieu of all other express and/or statutory warranties. Any implied warranties, including, but not limited to, the implied warranties, merchantability, and fitness for a particular purpose are limited in duration to the duration of this express warranty. Some states do not allow limitations on how an implied warranty lasts, so the above limitation may not apply to you. Tekno NA's obligation under this warranty shall be limited to, at its options, providing replacement of shortages, exchange of defective products, or refund of purchase price for flooring with visible defects returned to Tekno NA prior to installation. For flooring with delamination and finish defective issues discovered after installation and not visible prior to installation, Tekno NA, at its option, will either repair or replace the defective flooring and/or refinish the defective finish. Tekno NA assumes no liability for incidental or consequential damages. However, some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion may not apply to you. The sole purpose of the remedy provided herein is the replacement/repair of defective products or refund of purchase price. This remedy shall be the buyer's exclusive remedy, and shall not be deemed to have failed of its essential purpose so long as Tekno NA is willing to replace/repair such defective goods or refund the purchase price. This warranty does not apply to any product or products designated as seconds, special or nonstandard items. Any product or products so designated are sold "as is". In order to obtain performance of these warranty obligations, the person seeking performance should contact Tekno NA by letter or telephone: Tekno North America, 1810 Underwood Blvd., Delran, NJ 08075 Telephone 856-764-2501 ATTENTION: WARRANTY DEPARTMENT. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Interpretations - this sale shall be governed solely by the terms and conditions herein set forth which shall prevail over any conflicting terms and conditions of buyer and any statement in buyer's purchase order, notwithstanding. All prior writings, representations, or negotiations with respect to the subject matter are deemed to be merged herein. The failure of either party to enforce any of the provisions of this agreement shall not be construed as a waiver of such provision or of the right of any party thereafter to enforce each and every provision. The terms of this agreement may not be extended, discharged, amended or modified, in any way, except by a writing signed by an authorized representative of each party. This agreement shall be construed in accordance with the law of the State of New Jersey.