

► TECHNICAL MANUAL



## Peace of mind, for a lifetime

LIFESPAN<sup>®</sup> SOLID SELECT is a premium solid exterior trim product – offering a superior clean finish, outstanding performance, and the benefits of real wood.

- Limited lifetime warranty
- Clear grade lumber – no finger-joints or knots
- Superior durability against rot, fungal attack and insects
- Long-term termite protection
- Active ingredients registered with EPA
- Resists corrosion to nails and fastenings
- FSC<sup>®</sup> Certified – environmentally responsible
- Superior water resistance
- Real wood – a pleasure to work with
- Product of New Zealand



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# The advantages are clear

Sourced from New Zealand's renowned radiata pine forests, LIFESPAN® SOLID SELECT is made from only the highest quality, long-length clear boards.

This superior product features an EPA-approved non-metallic preservative that protects against rot, fungal attack and insects (including termites). It also offers superior moisture resistance – with a proprietary water repellent system, and two coats of alkyd primer. This proven protection is backed by a limited lifetime warranty.

Combining outstanding durability with the beauty of real wood, LIFESPAN® SOLID SELECT is the choice for a lifetime.





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## Lifespan® Solid Select at a glance

Wood has long been the choice of builders. It is beautiful, versatile and easy to work with. However, wood in an exterior situation is also subject to rot, fungal decay and insect attack. With LIFESPAN SOLID SELECT pressure treated, primed boards, wood now comes with long-lasting durability and low-maintenance peace of mind.

LIFESPAN SOLID SELECT is protected with the combination of a pressure treatment using organic biocides to ward off insects and fungal decay, a proprietary water repellency system to maximize dimensional stability and an alkyd-based primer to provide superior durability against the elements. This allows LIFESPAN SOLID SELECT to be offered with a limited lifetime warranty against fungal decay and insect damage, including termites.

The raw material for LIFESPAN SOLID SELECT comprises high grade clear lumber produced from pruned radiata pine logs. These come only from renewable sources and we utilize leading technology and innovative techniques to maximize the recovery of logs into finished products and minimize waste in our mills.

LIFESPAN SOLID SELECT is manufactured in our Forest Stewardship Council® (FSC®) certified mills (FSC® SCS-COC-00199).

- Limited lifetime substrate warranty against fungal decay and insect damage, including termites
- Manufactured from solid high grade wood with no fingerjoints or knots
- Pressure treated with an EPA approved organic preservative, delivering treatment to the core
- Non-corrosive to fasteners
- FSC® certified
- Multi-layer protection resists water uptake and enhances dimensional stability
- Alkyd primer provides smooth defect-free surface ready for top-coating
- Suitable for exterior and interior needs
- Real wood!!

This Manual has been developed to provide information for the use of LIFESPAN SOLID SELECT in interior and exterior above ground building applications (American Wood Protection Association (AWPA) UC3A (painted) and UC3B (unpainted) use classes).

### Fletcher Wood Solutions

Fletcher Wood Solutions (dba Taupo Wood Solutions) is the USA domiciled sales and marketing division of Tenon Manufacturing, a part of the Tenon Limited group of companies. Tenon Manufacturing operates pine-manufacturing facilities in Taupo, New Zealand and is the largest manufacturer of defect-free, appearance grade radiata pine products in New Zealand.

Fletcher Wood Solutions distributes its clear boards, mouldings, LIFESPAN products, and lumber to the North American market through its proven and completely integrated supply chain. In addition, Fletcher Wood Solutions maintains direct access to one of the largest FSC® certified pine plantation forests in the world, and its manufacturing plants have been certified by the Forest Stewardship Council® (FSC® SCS-COC-00199).

### Liability

Fletcher Wood Solutions and Tenon accept neither liability nor responsibility if the information contained in this Manual is incorrectly or inappropriately applied or interpreted, nor if LIFESPAN SOLID SELECT is used in a manner other than as explicitly set out in this Manual.

Fletcher Wood Solutions has taken care to ensure that the information contained in this Manual was correct at the time of writing. However, Fletcher Wood Solutions and Tenon reserve the right to make changes or improvements to this Manual and to LIFESPAN SOLID SELECT without prior notice.





## Specifications

### Product range

LIFESPAN SOLID SELECT products are suitable for a range of interior and exterior above ground building applications. Examples of such products include:

#### Exterior Woodwork

- Fascia
- Trim boards: surfaced all sides, eased edges or with one rough-sawn face
- Exterior mouldings (brick mould, lattice, quarter round, etc.)

#### Siding

- Available in a range of patterns

#### Windows

- Window components (sash, casement sash, jambs)
  - machined cut stock
- Mouldings: brick mould

#### Exterior doors

- Door frames
- Stiles, rails (especially door bottoms)
- Sill substrate
- Mouldings: brick mould

#### Interior Woodwork

- Baseboard
- Crown Backer
- Trim around doors and windows

### Quality standards

#### Material

Manufactured from C & Better Select grade kiln dried, tree farmed, radiata pine – however minor blemishes that will not be visible through a paint coat or affect performance are permitted.

#### Treatment

Solvent treated with active ingredients tebuconazole, propiconazole and permethrin to 0.08% m/m total azole average (0.06% m/m minimum).

Treatment is in accordance with NZS3640 and AS 1604.1:H3 standards (0.06% minimum), which exceed AWPA requirements (0.0185% minimum).

#### Priming

Two coats high-quality alkyd primer applied at 3-4 wet mils. Total dry film build 3-4 mils.

#### Quality

No material visible defects: birdseye, tear out, etc. allowed prior to last primer coat.

#### Machining

Pitch marks 1/16" maximum.

#### Length Tolerance

0+1/2"

#### Width Tolerance

+0-1/32" (+0-0.5mm) – at time of manufacture.

#### Thickness Tolerance

+0-1/32" (+0-0.5mm) – at time of manufacture.

#### Moisture Content

10-15%MC (90% of pieces).

#### Straightness (as permitted by WWPALumber Grading Rules)

Cup: 1/32" in up to and including 6", 1/16" in 8", 3/32" in 10", and 1/8" in 12" Bow: 1-1/2" in 16ft.

Crook: 1" in 4", 7/8" in 6", 3/4" in 8", 5/8" in 10", and 1/2" in 12" (All on 16ft basis).

Twist: 1/4" in 4", 3/8" in 6", 1/2" in 8", 5/8" in 10", and 3/4" in 12" (All on 16ft basis).

1. Distortion permitted in occasional pieces
2. Distortion assessed at time of manufacture, there may be some movement in response to atmospheric humidity changes and subsequent moisture content changes after manufacture.



- ▼ 1. Exterior woodwork including fascia, trim boards, exterior mouldings
- ▼ 2. Interior woodwork including trim, crown backer, and baseboard
- ▼ 3. Sidings and claddings
- ▼ 4. Exterior doors including frames, stiles, rails, sill substrate, mouldings
- ▼ 5. Window components and mouldings, casement sash, sash jambs



## Product Overview – From Forest to Home



### Environmental certification

LIFESPAN SOLID SELECT is manufactured with radiata pine from environmentally certified pine tree farms. Our processing mills are certified

by the FSC® ([www.fsc.org](http://www.fsc.org)), demonstrating that they meet strict environmental, social, and economic standard.

We utilize leading technology and innovative techniques to maximize the recovery of logs into finished products and minimize waste in our mills. We use geothermal energy in our kiln drying operations, with the geothermal fluid being reinjected after use, thereby saving the use of fossil fuels and minimizing greenhouse gases. Our equipment includes optimizing scanners in the sawmill, optimized ripping, and modern Weinig high-speed planers for a moulding quality finish.

### Preservative

LIFESPAN SOLID SELECT has been treated with a solvent-based (non-aqueous), colorless, organic (metal free) wood preservative (LOSP-Light Organic Solvent Preservative). Three active ingredients (propiconazole, tebuconazole and permethrin) synergistically provide protection against a wide range of fungi, insects and rot:

- Propiconazole and tebuconazole are EPA approved systemic fungicides, used widely to control mould and mildew in agricultural and horticultural applications. Together, they protect lumber from a wide range of wood destroying fungi.
- Permethrin is an EPA registered insecticide used to protect wood against termites and borers. Permethrin has low mammalian toxicity and is approved for use in many agricultural, household and pharmaceutical applications.

This combination has been specifically formulated as an EPA approved wood preservative. It can be used in American Wood Protection Association UC3A and UC3B applications. The chemicals are insoluble in water, remaining permanently in the wood and not leaching into the soil. The LOSP used in LIFESPAN SOLID SELECT is non-corrosive to fasteners, so LIFESPAN can be used with regular galvanized fasteners in exterior applications and any fastener type in interior applications.

### Pressure treatment

Unlike traditional dip treatments and newer spray-on treatments that only reach outside surfaces, LIFESPAN SOLID SELECT is pressure treated, ensuring that the organic biocide penetrates and protects the entire sapwood substrate with precise quantities of preservative. This process avoids the surface roughness and grain-raising often associated with water-borne preservatives.

During pressure treatment, the wood is also impregnated with waxes and resins, which bond with the wood. These resist moisture uptake, enhancing the dimensional stability of LIFESPAN SOLID SELECT even when exposed to harsh environments of high humidity and precipitation. After treatment, the solvent is allowed to evaporate sufficiently to permit subsequent priming, packaging and shipping.

### Primer system

LIFESPAN SOLID SELECT factory-applied two-coat alkyd primer system further protects against water infiltration and weathering. The first full primer coat provides deep penetration and high film build to provide water repellence and to limit cracking. The second primer coat acts as an undercoat, providing a smooth, even, defect-free surface for topcoating. The primers used in LIFESPAN SOLID SELECT are supplied by PPG Industries.









## Performance

### Durability

LIFESPAN SOLID SELECT carries a limited lifetime durability warranty against fungal decay (rot) and insect attack (including termites). Details of the warranty can be found on page 12 of this Manual.

### Decay

The preservative system used in LIFESPAN SOLID SELECT has been extensively tested against fungal decay in laboratory tests and field tests around the world in extreme situations. The performance in these trials has provided the confidence to back LIFESPAN with a limited lifetime warranty against fungal decay. LIFESPAN SOLID SELECT is treated to an average retention of 0.08% $m/m$  total azoles (0.06% $m/m$  minimum) as a fungicide together with 0.02% $m/m$  permethrin as an insecticide (termidicide).

Toxic values were determined by laboratory decay tests carried out in accordance with European protocols (EN113) using *Pinus sylvestris*. The minimum retentions (0.27 $kg/m^3$ ) used in LIFESPAN SOLID SELECT are much higher than these toxic values. The Mississippi Forest Products Laboratory of Mississippi State University established L-Joint trials (in accordance with AWP Standard E9-97) using Ponderosa pine at both Hilo, Hawaii and Saucier, Mississippi in 1996. L-Joint tests are designed to simulate performance in millwork applications.

These have been inspected yearly and results after six years exposure showed good resistance to decay, at retention levels less than used for LIFESPAN SOLID SELECT (0.27 $kg/m^3$  minimum) especially at Hilo, Hawaii, which is a recognized high hazard site for fungal decay.

### Insects (including termites)

The LIFESPAN SOLID SELECT protection system also contains an insecticide, permethrin, which is effective against insects, including termites. The permethrin retention (0.02% $m/m$ ) used is approved in both Australia (AS1604) and New Zealand (NZS3640) and has been extensively used for out of ground contact applications. A recent trial by CSIRO, Australia (Susceptibility of Envelope-Treated Softwood to Subterranean Termite Damage, by James W. Creffield.

Forest Products Journal, December 2004) examined the performance of permethrin, as both an envelope and fully impregnated, against termites. Samples were exposed for 12 months at Gunn Point, Darwin, and Northern Territory, Australia where a species of termite, *Coptotermes acinaciformis*, is prevalent. All specimens showed evidence of contact with termites, indicating activity. The full penetration treatments with 0.02% $m/m$  permethrin had a mean rating of 1.2 (radiata pine) with a range of 1-2, and 1.0 (slash pine). Untreated samples had a mean rating of 6.3 with a range of 5-7 (1 being sound; 7 being destroyed [75 to 100% mass loss]).

Further samples were exposed at Beerburum, Queensland where both *C. acinaciformis* and *Schedorhinotermes* spp. occur. Samples were examined after seven months. Samples that were fully treated with 0.02% $m/m$  permethrin had no weight loss due to termite attack, whereas untreated controls had a weight loss of 16.2 to 262.5g. The successful control of termite attack by permethrin in Australia, involving a number of different termite species, provides an assurance that LIFESPAN SOLID SELECT products will also be protected from attack by the Formosan termite, *C. formosanus*.

### Stability

Dimensional stability is a critical wood property for cladding, joinery and exterior millwork uses. One key element that contributes to the stability of wood products is the kiln drying process. Fletcher Wood Solutions' manufacturing process uses the latest in kilns and kiln technology to produce stable products. The use of final steaming to eliminate drying stresses is one example of this. Radiata pine has naturally low shrinkage, which contributes to its stability.

Compared to other North American softwoods, radiata pine has shrinkage comparable to ponderosa pine and lower than hemlock, loblolly pine and Douglas-fir. The use of high grade clear lumber from the outside of the log further enhances the dimensional stability of LIFESPAN SOLID SELECT products. In addition, the preservative treatment used in LIFESPAN SOLID SELECT contains waxes and resins, which significantly reduce the uptake of liquid water and subsequent swelling of wood. LIFESPAN SOLID SELECT products will show improved stability over untreated products.



### Toxic Values (kg/m<sup>3</sup>) for Propiconazole/Tebuconazole (1:1)

Test fungus	Unaged	Evaporative aged (EN73)	Leached (EN84)
<i>Coniophora puteana</i>	0.010–0.020	0.020–0.030	0.040–0.070
<i>Gloeophyllum trabeum</i>	0.030–0.045	0.030–0.045	0.020–0.030
<i>Poria placenta</i>	0.050–0.070	0.030–0.045	0.040–0.070
<i>Coriolis versicolor</i> *	0.100–0.165	0.210–0.250	>0.180

Wocosen Product Information Sheet, Janssen Pharmaceutica, Plant and Material Protection Division. \*Test used on beech wood.

### Average Decay Ratings for Coated Ponderosa Pine L-Joints after Six Years Field Exposure

Treatment	L-Joint treatment solution concentration (% active)	L-Joint overall retention at average uptake of 301/m <sup>3</sup> (kg/m <sup>3</sup> )	Decay Rating Hilo, Hawaii	Decay Rating Saucier, MS
Untreated			1.9	1.7
Propiconazole/tebuconazole (1:1) Vac-Vac treatment	0.2	0.06	8.7	9.7
	0.4	0.12	8.8	9.8
	0.6	0.18	7.9	10.0
	0.8	0.24	9.7	9.9
Penta, Dip treatment (control)	5.0		8.3	10.0
IBPC, Dip treatment (control)	0.5		6.9	8.9

Decay rating: 10 - sound, 0 - failure

Other field trials have been established in Australia and New Zealand:

### Average Decay Ratings for Treated and Untreated Pine

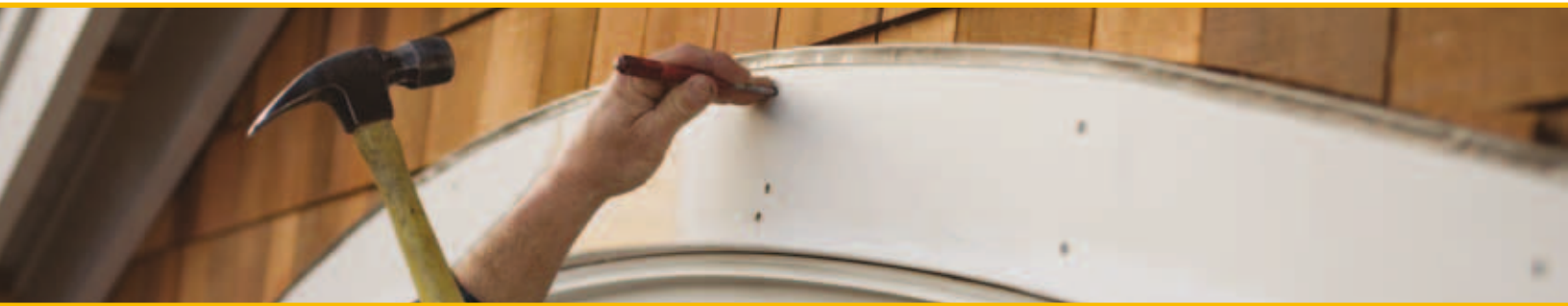
	Trial Type	Substrate	Condition	Azole Retention %m/m	Score	Sound	Failure	Start	Length of study	Location
A	Decking	Radiata	treated	0.057	9.2	10	0	1995	7 yrs	Rotorua, NZ
			untreated		0.8					
B	Decking	Radiata	treated	0.069	8.4	10	0	1998	5 yrs	Rotorua, NZ
			untreated		5.5					
C	Decking	Radiata	treated	0.069	8.8	10	0	1998	4 yrs	Queensland, Aus Beerburum State Forest
			untreated		3.4					
D	Decking	Radiata	treated	0.069	9	10	0	1998	4 yrs	Queensland, Aus Johnstone Research Sta.
			untreated		1.6					

\*Retention level in LIFESPAN is over 4.6 times higher (minimum retention level .06%/m) Trials B, E and F were run concurrently.

### Standards and Approvals

As a result of these and other tests, the azole preservative system is approved by Standards New Zealand (NZS3640:2003, incorporating Amendments 1, 2, and 3) for exterior above ground painted applications (equivalent to AWPAC UC3A) at a minimum retention of 0.06%/m total azole content. The LIFESPAN SOLID SELECT preservative system as used meets approvals by the Australian Pesticides & Veterinary Medicines Authority and Standards Australia (AS1604.1:2005, incorporating Amendment 1 2006) for use in exterior above ground applications where a minimum retention of 0.06%/m total azole content also applies, with incorporation of permethrin to meet a minimum Standards requirement of 0.02%/m. Such applications are as described in AWPAC Use Category classifications UC3A and UC3B. The system has similar approvals for use in the United Kingdom.





## Handling and Installation

### Where you can use lifespan solid select

LIFESPAN SOLID SELECT products are suitable for interior and all exterior above ground use classes (American Wood Protection Association UC3A and UC3B). The limited lifetime warranty against fungal decay and insects is null and void if the LIFESPAN SOLID SELECT product is used in contact with the ground, is used within 6" of the ground, or is used in conditions of prolonged water entrapment. LIFESPAN SOLID SELECT products are not designed for and should not be used in structural (load bearing) situations.

LIFESPAN SOLID SELECT may emit a solvent odor for a short period of time. This is similar to that of oil-based paint and results from the interwoven slip sheeting and containerization process. The slip sheeting protects the wood from blocking but does not allow for minute amounts of solvent to dissipate. Any noticeable odor will be well below the accepted threshold limit values (TLV) for long term exposure of 100ppm, and will disappear within a few days of airing.

### Nailing

LIFESPAN SOLID SELECT products should be installed in accordance with the normal industry standards. Proper application and nailing practices are essential for maximizing the performance and appearance of LIFESPAN SOLID SELECT.

Building construction features that maximize performance of exterior wood products include: wide roof overhang, wide flashing at roof edges, correctly installed flashings around doors, windows and other openings, effective vapor barriers, adequate eave troughs and downspouts, exhaust fans to remove excessive moisture, and adequate attic insulation and ventilation.

In order to allow for normal seasonal wood movement, nailing should be such that it does not restrict movement - do not nail through overlapping pieces. Unlike treatments that contain high levels of copper or other metals, the active ingredients in LIFESPAN SOLID SELECT do not promote the corrosion of nails and fastenings. To fasten LIFESPAN SOLID SELECT in exterior applications, hot dipped galvanized nails are all that is needed. High tensile aluminum or stainless steel fasteners are also suitable. To fasten in interior applications, LIFESPAN SOLID SELECT requires no specialty nails; simply fasten as you would with any other interior wood product.

Hand nailing is recommended so that the factory primer seal will not be broken. If a nail gun is used, the precise adjustment of

air pressure is necessary to achieve a flush finish. Alternatively, nails can be countersunk 1/16" and filled with putty to obtain a smooth surface. Pre-drilling near the ends is recommended to avoid any possibility of end splitting.

All nailing should be over studs and total effective penetration into a solid wood base should be at least 1-1/2". Nailing patterns should comply with industry practices (see Exterior Wood in the South - Selection, Applications and Finishes. 1991. US Department of Agriculture, Forest Products Laboratory, General Technical Report, FPL-GTR-69).

### Trimming, cutting and sealing requirements

While LIFESPAN SOLID SELECT is pressure treated throughout the substrate, cross-cutting and any other cutting, notching, etc. may expose wood with a lower concentration of treatment. LIFESPAN SOLID SELECT of 1" or under nominal thickness does not need to have cut surfaces, notches, and bored holes primed or treated, but for LIFESPAN of greater than 1" nominal thickness it is important (and a requirement of the warranty) that any such exposed wood be liberally swabbed with a brush-on or spray wood preservative.

Suitable products contain zinc naphthenate, such as Wolman Wood Preservative Clear, Cuprinol Clear, Dussek 8% ZnN, Protecto-Zinc and Greens Clear Wood Preservative. The active preservative components of LIFESPAN SOLID SELECT are insoluble in water and will not be leached out in service. However to maximise long term appearance, as good building practice, it is recommended to coat exposed end cuts and mitre joints, with a good quality exterior primer before final painting.

Any alteration of the shape or size of the product by machining (other than as a result of sawing to length or notching as required for fitting or joining) will void the limited lifetime warranty.

### Gluing

Timber building products and exterior joinery are not normally glued onsite, but if the occasion should arise any standard wood glue - with the exception of casein containing glues - may be used with LIFESPAN SOLID SELECT products.

LIFESPAN SOLID SELECT is not intended for structural uses. Where impact adhesives are to be used or highly stressed glue joints are to be made (e.g. glue laminated beams), specific advice should be sought from Fletcher Wood Solutions.





### Putties, mastics, sealants

Putties, mastics and sealers should be compatible with alkyd (oil-based) paints to be suitable for use with LIFESPAN SOLID SELECT. The relevant manufacturer's advice should be sought, e.g. Sika, Dow, and Master Builders.

### Painting

For best results, and in line with general industry best practices, LIFESPAN SOLID SELECT products should be painted as soon as possible after installation. To ensure your limited lifetime warranty, LIFESPAN SOLID SELECT should be over coated within two months (60 days) of first installation, or up to 4 months (120 days) if the primer is given a light sand to remove any oxidation.

The smooth, defect free surface results from two coats of manufacturer applied, special purpose primer. Simply fill and prepare the wood for the finish coat using paint manufacturer's specified instructions (e.g. use exterior filler if used on the outside of a building, spot prime and sand if necessary, clean and remove surface debris). Always follow the paint manufacturer's recommendation for the application and maintenance of paint. For best results, choose a high-quality exterior acrylic/latex or oil-based paint system.

PPG industries offers an extended topcoat paint warranty for LIFESPAN SOLID SELECT when topcoated using their family of paint products (Monarch, Olympic, Porter, Pittsburgh Paints). The paint warranty is separate from the substrate warranty. For details of this, contact Olympic Paints and Pittsburgh Paints at 877-622-4277.

### Resin bleed

LIFESPAN SOLID SELECT is manufactured from radiata pine. As a natural material, it may contain resin as a natural constituent. In hot, sheltered conditions where the product has been painted a dark color, resin bleed may occur. If the above specification is followed, any resin bleed will be minimized. It is recommended that LIFESPAN SOLID SELECT be painted in light colors (Light Reflectance Value (LRV) greater than 40%). Any subsequent resin bleed may be repaired by sanding back and spot priming with a stain and bleed sealer.

### Storage

Prior to installation, and pending top coating with paint, LIFESPAN SOLID SELECT should be protected from direct sunlight, dirt and other elements. LIFESPAN SOLID SELECT needs to be stored in a dry location, not directly on the ground, preferably on bearers protected with a waterproof cover. However, allow air circulation from beneath to allow the product to acclimatize (LIFESPAN SOLID SELECT packets are wrapped

on four sides and top, leaving the bottom unwrapped). Do not completely seal the bundle.

### Disposal

Properly clean up and dispose of all sawdust and off-cuts after construction by ordinary trash collection.

### Health and safety

LIFESPAN SOLID SELECT is safe to use and is suitable for both interior and exterior applications. The active ingredients in the organic treatment are in total less than 0.1%, significantly lower than most other treatment alternatives. However, even though adverse effects on the user of LIFESPAN SOLID SELECT products are extremely unlikely, it is not always possible to anticipate an individual's sensitivity to the chemicals used. It is important, therefore, to take sensible precautions to minimize exposure to these chemicals when working with LIFESPAN SOLID SELECT. In particular, we recommend that you:

- Do not use LIFESPAN SOLID SELECT under circumstances where the preservative may contact or become a component of food or animal feed. Examples of such uses would be cutting boards, counter tops, animal bedding, and structures or containers for storing animal feed or human food.
- Do not use LIFESPAN SOLID SELECT for construction of those portions of beehives that may come into contact with honey.
- Always maintain good woodworking practices, and particularly avoid inhalation of sawdust.
- When sawing, sanding and machining LIFESPAN SOLID SELECT, as for any wood product, always wear a class P1 or P2 replaceable filter or disposable half face piece respirator. These operations should be performed outdoors to avoid indoor accumulations of airborne sawdust.
- Launder clothing that has had sawdust accumulate on it prior to reuse. Wash work clothes separately from other household clothing.
- When power-sawing and machining, and in areas with high dust levels, wear goggles to protect eyes from flying particles.
- Wear gloves and protective clothing when working with LIFESPAN SOLID SELECT. After working with LIFESPAN SOLID SELECT, wash exposed skin areas thoroughly before eating, drinking or using tobacco products. Avoid hand-to-mouth contact with soiled hands.

Do not burn LIFESPAN SOLID SELECT, because when burned, the chemicals used may become toxic as part of smoke and ash. In particular, LIFESPAN SOLID SELECT should not be burned in open fires or in stoves, fireplaces or residential boilers. Treated wood may be burned only in commercial or industrial incinerators or boilers in accordance with state and Federal regulations.



## Limited lifetime warranty against fungal decay and insect attack

The LIFESPAN SOLID SELECT range of treated wood products is supported by a limited lifetime warranty for protection against fungal decay and insect attack. Where any LIFESPAN SOLID SELECT product used in the appropriate application becomes structurally or functionally unserviceable during the lifetime of the original consumer purchaser due to fungal decay or insect attack, then replacement of the material will be provided by the manufacturer.

This Warranty is limited to the original consumer purchaser or “first owners”. The manufacturer’s liability under this Warranty is limited to the replacement cost of the defective LIFESPAN SOLID SELECT product only. It does not include any other costs including freight, labor costs, finishing costs, consequential damages, incidental damages, or special damages arising directly or indirectly from the LIFESPAN SOLID SELECT product, however caused.

To be covered under the limited lifetime Warranty, the “first owner” must be the recorded or documented owner of the property at the time or within 12 months of the time the LIFESPAN wood product is installed by the builder or contractor. In all other circumstances the limited lifetime LIFESPAN SOLID SELECT Warranty is not transferable to subsequent owners of the property. In order to claim on this Warranty, the “first owners” must provide, at the time of claim, proof of purchase. This is necessary so that Fletcher Wood Solutions can properly identify the product as a LIFESPAN SOLID SELECT product.

This could include original invoices or sales receipts, or any LIFESPAN SOLID SELECT end tags. Fletcher Wood Solutions may require, as a condition of meeting any warranty claim, to inspect the relevant installation. In addition to satisfying all other conditions, limitations, and requirements referenced in this Warranty, any claims under this Warranty are specifically excluded unless the following specific terms and conditions are also satisfied:

- Compliance with all applicable Building Codes and Standards
- Compliance with the appropriate Hazard Class or Use Category (UC3A and UC3B). See “Where You Can Use LIFESPAN SOLID SELECT” under the “Handling and Installation” section on page 10.

- Handling and installation requirements. See the “Handling and Installation” requirements section on page 10.
- The LIFESPAN SOLID SELECT must have been well maintained in service in accordance with standard building recommendations and practices.

Except for the foregoing, and to the maximum extent permitted by law, Tenon makes no other warranties, representations, or conditions, expressed or implied, as to or concerning LIFESPAN SOLID SELECT including claims and complaints relating to priming, painting, resin bleed, environmental, or health and safety issues and any and all other representations, warranties, terms and conditions implied by any laws are excluded.

Fletcher Wood Solutions makes no claim that LIFESPAN SOLID SELECT will protect non-LIFESPAN products from insects, rot or fungi. For further information regarding the terms and conditions, please contact your LIFESPAN SOLID SELECT supplier.



## Information Sources

### **Exterior Wood in the South – Selection Applications and Finishes.**

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Use Category System: User Specification for Treated Wood. 2007.

### **The Rehab Guide, Volume 2 Exterior Walls.**

US Department of Housing and Urban Development. 1999.

### **Wood Handbook – Wood as an Engineering Material.**

US Department of Agriculture, Forest Products Laboratory, General Technical Report FPL-GTR-113. 1999.

### **Painting and Finishing Fact Sheets.**

US Department of Agriculture, Forest Products Laboratory.  
<http://www.fpl.fs.fed.us/finishing.html>



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