

XLM[®] PLANK



BushFire Resisting

with Extreme durability & Scratch resistance.

Board Size
138x25mm 4.8 & 6.0m



Desert Bronze
Solid or Grooved

Mountain Cedar
Solid

SandRidge
Solid

RiverRock
Solid

TimberTech XLM decking provides unparalleled scratch, mildew, stain and slip resistance plus the benefit of being bushfire resisting for BAL 29 applications placing it in a class of its own. This extremely durable expanded polymer decking features a smart cap to reinforce its structural integrity whilst making it durable for the harsh Australian conditions. It will not split or warp when exposed to direct sunlight or if regularly wet from salt spray or pool water. TimberTech XLM is the decking of choice for ultimate low-maintenance and peace of mind. It is not just a deck, it is TimberTech.

- XLM decks in bushfire prone areas require the adjacent wall to be masonry.
- Scratch, Mildew and Stain resistant.
- No visible screws when installed with CONCEALoc hidden fasteners.
- Exceptional slip resistance (W, R11).
- Spans a maximum of 450mm between joists.
- Embossed flat grain surface.
- Up to 40% lighter than wood plastic composite decking.

For further information visit: www.wpcdecking.com.

Request samples today!

NEW! Arriving June 2010



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www.itiaustralia.net

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XLM INSTALLATION GUIDELINES

For full installation guidelines, visit www.wpcdecking.com

The XLM Plank

138x25mm Grooved or Solid in 4.8m or 6.0m lengths

Tools Required

TimberTech planks can be installed with standard wood working tools as it is easily cut and shaped. When cutting XLM planks with a circular saw it is recommended that a thin kerf 40-tooth alternate top bevel finish blade be used to achieve the cleanest cuts. For a power mitre saw a fine finish alternate top bevel blade is also recommended. When working with TimberTech products be sure to wear the correct protective equipment.

Joist Spacing – 4KPa load

Plank Angle	90°	30°	45°
Span	450mm	300mm	300mm

Fastening Grooved Planks

Use TimberTech CONCEALoc 316SS Hidden Fasteners. Follow the directions in the CONCEALoc box, clips are painted brown.

- **Softwood Joist:** Use Standard installation procedure for CONCEALoc.
- **Hardwood Joist:** Pre drilling of the screws may be required to prevent screw shear.
- **Steel Joist:** A 30mm thick timber batten is required to be attached to the top of the steel joist for the CONCEALoc to fix into as the screws must enter on a 45° angle.

Fastening Solid Planks

Fasteners should be installed perpendicular to the deck surface and driven flush; DO NOT overdrive or splitting/stretching may occur.

- Fasten 19mm from outside edge and end of each plank, using two screws per joist including end joists.
- Screws are required to be pre drilled and counter sunk.
- Use a minimum #8 x 60mm flat or bugle headed stainless steel screws (or screws compliant with Australian Standards), driven flush with deck surface.
- Steel Joist – Pilot holes for screws through the plank are to be 1mm bigger than the screw thread, winged-tek screws are not recommended.
- DO NOT nail XLM planks.
- Boundary boards on edge are required to be fixed every 600mm.

Stair Installation

- Stair stringers are to be set at a maximum of 250mm centres.

Bush Fire Installation

Prior to construction check with local authorities for building requirements in bush fire prone areas.

- Bushfire Attack Level (BAL) 29, 19 or 12 only
- Adjacent wall construction to be one of the following materials – double skin masonry, masonry veneer, mud brick, concrete or aerated concrete veneer.
- Decking side by side gapping is to be 3mm
- Deck is required to have boundary board covering the joist ends.

Gapping Requirements

- Deckmate spacing tool is recommended to give perfect gapping.
- Gap planks a 3 to 5mm side-to-side.
- Allow 5mm minimum gap where deck meets adjoining structures.
- End to end gapping guidelines for various temperature ranges:

0°C and below	1-24°C	25°C and above
4mm	3mm	2mm

Slip Resistance:

TimberTech XLM offers exceptional slip resistance (W, R11)

Expansion and Contraction

TimberTech XLM deck planks will experience expansion and contraction with changes in temperature. Expansion and contraction are most significant where extreme temperature changes occur. Fastening the deck planks according to the gapping requirements noted in the table will accommodate for this movement. Changes in length are most significant during the installation process, and should be accounted for if working in extreme temperatures. For example, if planks are cut to length during a hot afternoon and left overnight before installing them the next morning when it is cooler they would have contracted in length. Another example would be storing and cutting your planks in the shade and installing them in direct sun. Chances are, you will notice a certain amount of contraction. The best way to minimize this problem is to fasten your planks as soon after cutting as possible.

Clearances: Ventilation is important, therefore a cavity is required between the underside of the XLM deck and the surface below.

- Concrete or similar - 50mm clearance
- Dirt or similar - 150mm clearance

Cantilevering: TimberTech XLM can be cantilevered a maximum of 25mm.

Static Electricity: Static build-up is a natural occurring phenomenon that can occur with many plastic products. It could occur with TimberTech products under the right environmental conditions.

Rubber Mats: TimberTech does not recommend the use of rubber or vinyl products (welcome mats, planters, etc.) on XLM deck planks. A reaction can occur that causes discoloration of the decking under the rubber/vinyl product. This is a common caution for vinyl decking products. TimberTech recommends unbacked natural fibre mats.

Colour and Grain Patterns: XLM deck boards are designed to mimic the look of real wood, and like real wood, there will be a slight difference in colour and grain pattern from board to board. This is intentional and part of the manufacturing process, giving TimberTech decking the most realistic and wood-like appearance possible. This variation is purely aesthetic and does not or will not affect the performance of the product. Our deck boards are designed to naturally weather over time. Most of the weathering process will take place within the first year of the deck's life.

Glue: DO NOT use glue or caulk to fasten XLM planks or to seal the joint between two planks and any other surface. This will inhibit the natural expansion and contraction of the planks and will impede the drainage of the deck.

Intended use: TimberTech decking is **NOT** intended for use as structural members of the deck.

Cleaning: It is recommended to clean your TimberTech regularly with a composite deck cleaner or similar to keep your deck looking good.

Property (*ultimate values)	Results
Coeff. of Thermal Expansion - Width	5.4x10 ⁻⁵ mm/mm/°C
Coeff. of Thermal Expansion - Length	4.86x10 ⁻⁵ mm/mm/°C
*Flexural Stiffness (3% Strain)	296767kN.mm ²
*Modulus or Rupture (3% Strain)	30.1MPa
*Modulus of Elasticity (3%Strain)	1586MPa
Fastener Pull Through	1392N
Water Absorption - % mass	<0.8%