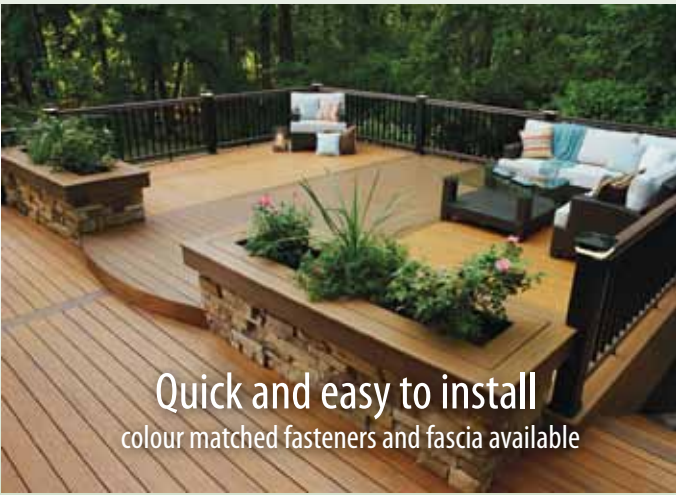




25 year limited warranty
for your peace of mind



Quick and easy to install
colour matched fasteners and fascia available



Slip resistant
ideal by the pool or ocean



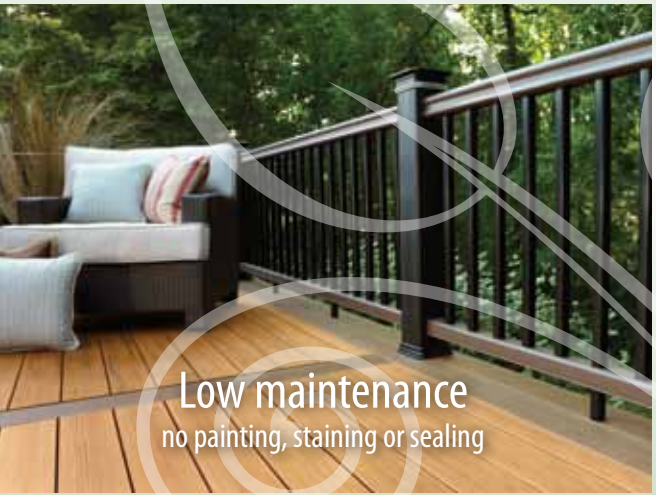
Perfect for the New Zealand environment
and packed with features,
TimberTech Composite Decking
is the best decking choice for your
home, bach or business.



Hard wearing
for high foot traffic areas



Splinter free
won't crack, split, rot or warp



Low maintenance
no painting, staining or sealing



RELIABOARD

In stylish Grey.

Value conscious homeowners choose ReliaBoard
a revolutionary alternative to traditional timber decking.

With a 25 year residential warranty, ReliaBoard
provides the same durability and low maintenance that all
TimberTech products offer - at a surprisingly affordable price!

Complete your deck with colour coordinated
fasteners and Twinfascia®.



Affordable style



Niagara offers two superb TimberTech brands :

RELIABOARD

EARTHWOOD EVOLUTIONS

TimberTech USA are the world leaders in the
manufacture of composite decking,
using an average of 51% recycled content.

This hardy wood/plastic decking combines post consumer
recycled plastic (HDPE), virgin plastics and recycled wood fibre
from the USA woodworking industry.



PHONE 0800 for timber (0800 36 78 46) or 03 308 0007



Hardwood appearance



Teak Walnut Rosewood



EARTHWOOD EVOLUTIONS

Mix & match - Teak, Walnut & Rosewood tones.

Luxurious hardwood aesthetics without the ongoing maintenance
of hardwood... or harming any rainforests!

Earthwood Evolutions decking will look great for years
with a 25 year fade and stain warranty

and variegated surface that won't trap dirt or dust.

The capped, fully protective poly shell is practically impervious
to the elements and accidents that every deck endures.

Use matching Earthwood Evolutions fascia for a smart, clean finish
teamed up with CONCEALoc® hidden fasteners -
so no screws are visible.



Board size - 136 x 24mm x 4.8m
Span - A maximum of 450mm centres

Slip resistance - ASTM F1679 Standard Test Method (average)

	Reliaboard	Earthwood Evolutions
Dry	0.63	0.50
Wet	0.55	0.45

Deck slope - To aid water run-off, the deck should slope **away from the house**.

Joist Spacing - Centre to centre - 4KPa load

Plank Angle	90°	30°	45°
Spacing	450mm	350mm	300mm

Gapping requirements

- Deckmate spacing tool is recommended to give perfect gap (Supplied complimentary on request with orders)
- Gap planks a minimum of 3mm side-to-side.
- Allow 5mm minimum gap where deck meets adjoining structures.
- End to end gapping guidelines for various temperature ranges:

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

Clearances - Ventilation is important; a cavity is required between the underside of the deck and the surface below.

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

Directional notch - The plank surface is embossed in a directional manner.

When installing planks, the side of the plank with the notch must be laid to the same side for a consistent appearance.

Cantilevering - TimberTech decking can be cantilevered a maximum of 25mm.



FASCIA & ACCESSORIES AVAILABLE

- TimberTech Fascia - 305 x 14mm x 3.6m
- TOPLoc Fascia fasteners
- L-Brackets - these are designed for the use on the first and last planks on TimberTech decking
- TOPLoc colour matched decking screws
- CONCEALoc Hidden Fasteners - for use with grooved planks only



Salt or chlorine contact - TimberTech deck planks are not adversely affected by salt or chlorine therefore are ideal by the pool or ocean.

Storage and handling

- Never dump TimberTech materials when unloading.
- Store on a flat surface and cover with non-translucent material.
- Carry boards on edge for better support.
- Read installation instructions carefully (www.timbertechdecking.co.nz)

Intended use

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

Expansion and contraction - TimberTech decking boards 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.

Colour and grain patterns - TimberTech decking 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.

TECHNICAL SPECS

Property (*ultimate values)	Results
Coeff. of Thermal Expansion - Width	6.1 x 10 ⁻⁵ mm/mm/°C
Coeff. of Thermal Expansion - Length	3.6 x 10 ⁻⁵ mm/mm/°C
*Flexural Stiffness (3% Strain)	122400kN.mm ²
*Modulus or Rupture (3% Strain)	21.8MPa
*Modulus or Elasticity (3% Strain)	3738MPa
Screw Pull Through	1377N/m
Water Absorption - % mass	<1.29%

Cleaning - Clean your TimberTech deck regularly to keep it looking good.

TIMBERTECH Installation Techniques



The ReliaBoard Plank

136 x 24mm Solid in 4.8m lengths.

ReliaBoards are designed to naturally weather over time. Most of the weathering process will take place within the first year of the deck's life. This is purely aesthetic and does not or will not affect the performance of the product.

Direct fasten Reliaboard decking.

Direct fastening

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

- Position - Fasten 19mm from outside edge and end of each plank, using two fasteners 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**, driven flush with deck surfaces.

TOPLoc™ Fasteners are recommended by TimberTech and are available with orders in matching colours.

Fastener mushrooming - This may occur when a non-composite deck screw is driven into the decking. It can be greatly reduced or eliminated by using a screw designed for composite products. If mushrooming occurs, lightly tap the material back into the hole.

- **Nails** - offer time savings but loosen over time with the expansion and contraction of the entire deck system (joist and decking). This may cause the nails to pop up from the deck surface, which will require re setting the nails. Minimum 60mm flat head ring shank for Softwood and twist shank for Hardwood joists.
- **Steel joist** - Pilot holes for screws through the plank are to be 1mm bigger than the screw thread, winged-tek screws are not recommended. Bitumen joist tape is recommended for the top of each joist. Or a timber batten can be fixed to the top of the joist for the decking screws to fix into. Boundary boards on edge are required to be fixed every 600mm.



The Earthwood Evolutions Plank

136 x 24mm Grooved or Solid in 4.8m lengths.

Install Earthwood Evolutions using the hidden fasten method for a clean, screw-free finish.



Hidden fastening (grooved planks only)

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.

Installation Tools required

TimberTech planks can be installed with standard wood working tools as it is easily cut and shaped. When cutting 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.

Glue

DO NOT use glue or caulk to fasten 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.

YOUR LOCAL STOCKIST:



Lifestyle Decking

ridiculously rugged

incredibly low maintenance

www.timbertechdecking.co.nz

For complete care and maintenance guidelines please refer to www.timbertechdecking.co.nz

For more details refer to www.timbertechdecking.co.nz or phone Niagara (03) 308 0007 - 0800 for timber