



NewTechWood

NewTechWood UltraShield®

Composite Outdoor Decking

ECO Systems
DISTRIBUTION LTD



NewTechWood®

NewTechWood® is a pioneer in the development and manufacture of outdoor composite wood decking, wall cladding, fencing, railing, DIY quick deck and garden furnishings.

Since its early beginnings in 2004, NewTechWood® has been on the cutting edge in wood plastic composite technology, to develop products that bring beauty and practicality to our outdoor living experience. The secret to our success is that we listen to our customers, contractors, home builders, architects and homeowners and we provide the materials to bring their visions to life.

NewTechWood® has earned a worldwide reputation for our manufacture of attractive, innovative, and dependable wood plastic composite materials. With rich colour variations, from deep chocolate tones to smoky wisps of grey, with natural wood grains, we've got that perfect colour for that special project.

NewTechWood® is designed to provide unparalleled Performance and Satisfaction.

NewTechWood UltraShield®

In 2010, NewTechWood® began a project to design and formulate the most durable, most attractive, most fade and scratch resistant, most beautiful and most reliable composite deck board in the industry: **NewTechWood UltraShield®**. Few years of engineering and countless hours of field-testing has yielded a product of unmatched performance and beauty. **UltraShield** combines the proven strength of high density polyethylene plastic and wood fibers with an outer shell of polymer that completely encapsulates the board in an impermeable layer of protection from scratches, stains & fading.

UltraShield, is a true game changer in the composite decking industry. Conventional wood plastic composites are a thing of the past.

Thinking Green

We were “Green” before “Green” was fashionable. Our parent company has been recycling plastic materials for almost 30 years. Every month we save over 12,000,000 pounds of plastic from being buried in our landfills forever.

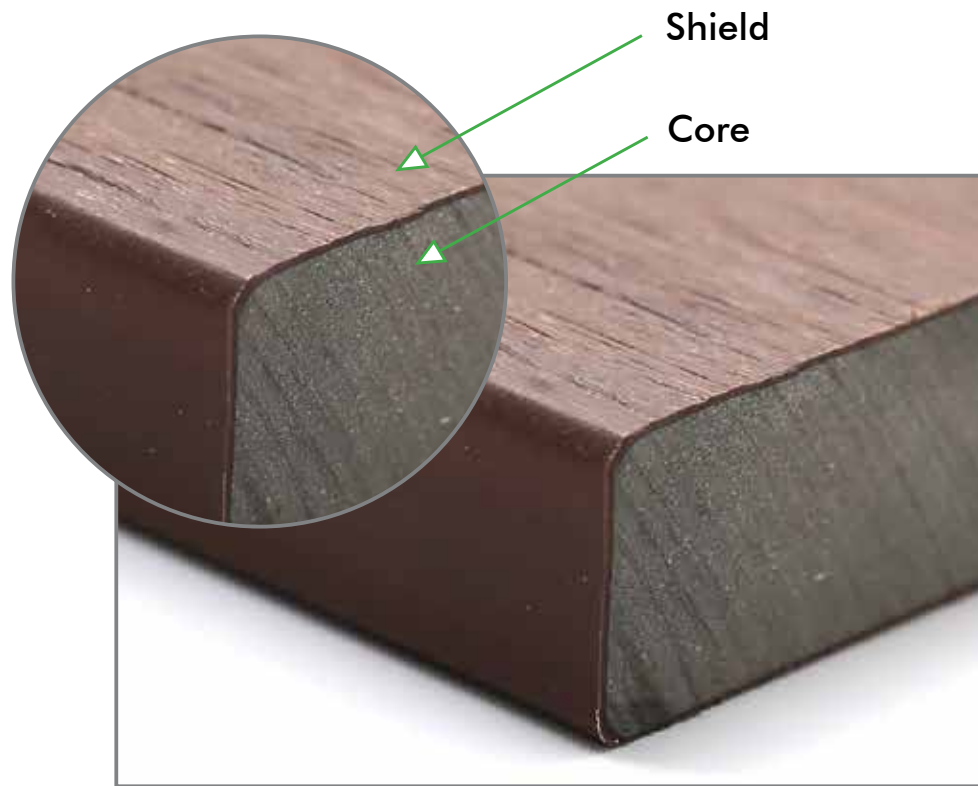
Since we control the entire recycling process, including the proper washing, sorting and screening for impurities, we know exactly what material is going into our products. Total vertical integration of our manufacturing process allows us total control, for consistent quality and colour. It also allows us to manage our material costs for stable pricing and dependable product availability.

NewTechWood®’s foundation was built on green principles and values.

- Our products are made from 95 percent recycled materials, including clear plastic bottles and reclaimed wood fibers.
- We employ yearly third party audits to comply with environmental, health, and safety guidelines and regulations.
- We’ve reduced our carbon footprint through waste reduction, energy conservation, and our vertically integrated manufacturing process.



NewTechWood **UltraShield®** Technology



UltraShield is a capped wood plastic composite, which means it has an advanced premium shield encasing all four sides around its inner core. The shield and core are extruded together under a very high temperature mold simultaneously, so there are no adhesives or chemicals that are harmful to the environment.

The core is made from carefully selected recycled material and highly dense recycled hardwood and softwood fibers that allow for greater strength and durability, and best of all it's 100% recyclable.

The shield uses an advanced engineering polymer to create a formulation which gives the boards **Ultra Protection against:**

× **Stains**

Wine, coffee, soy sauce, vegetable oil etc cannot stain the board. Messes can be easily wiped off the surface because the liquid never gets absorbed by the shield, which makes **UltraShield** very easy to clean and low maintenance

× **Mildew, Mold, Rotting, Splitting or Cracking**

The shield provides an impermeable layer, so there is no fungus growth or splitting able to occur on the surface of the board, therefore, giving **UltraShield** a longer life span than regular uncapped composites.

× **Colour Fading**

The unique formulation of the shield ensures its colour stays much longer compared to conventional composite decking. The result of 3000 hours in a QUV accelerated weathering test chamber is Delta E <4.0, meaning no visible colour change can be observed with the human eye.

× **Painting or Oiling**

The multichromatic colours are a part of the shield's formulation meaning that you will never have to paint, sand, or oil again.

UltraShield *was engineered in mind to give you **Ultra Low Maintenance**,
So you don't ever have to worry about splinters, staining the deck every couple of months, or...
All you will need to do is just sit back and enjoy your new deck and take a vacation with
your children and family without ever leaving the comfort of your backyard.*





Channel



H6



Teak



Walnut



Light Grey

UltraShield Naturale™

UltraShield's exclusive colours & patterns give you an unlimited amount of choices to make your backyard oasis possible.

Our latest Naturale™ line features a unique treatment on the shield to make it the most natural feeling capped wood plastic composite EVER.

Don't forget the shield provides maximum protection against the sun's harsh UV rays, so you can enjoy ultimate colour intensity without worrying about fading.

Colour Collection

Teak, Walnut, Light Grey

Pattern Selection

Channel, H6


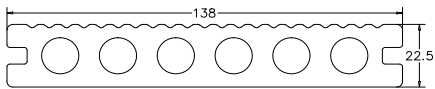

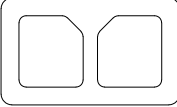

Decking

NewTechWood UltraShield decking comes in solid & hollow profiles for commercial and residential applications. All of them are wrapped 360 degrees, including the grooves. The shield provides **ULTRA PROTECTION** against moisture, mold, fade, and mildew.

The solid square edge board US07 requires composite screws for installation, while all other grooved boards have compatible decking clips systems (hidden fasteners).

All available in UltraShield Naturale™ finish and the 4 colours.

Matching colours decking accessories including: coloured head stainless steel screws, starter clips, hidden fastener systems, end caps for hollow profiles, fascia boards are all available to perfectly finish the decking.

		UH07 138 x 22.5 x 3600 / 4800 / 5400mm
		RJ09 50 x 30 x 2200mm
	End Cap Polymer with matching striking colours Fits circle hollow deck profiles: UH07	EC-UH02 138 x 23 mm.



**NewTechWood® DeScratch
Capped Composite Decking Repair Kit**

Best for nail holes, chips, dents, and scratches

Teak, Walnut, Antique, Light Grey
2 x10cm Wax Sticks / pack; Applicator included



**NewTechWood® Composite Deck
Stainless Steel Coloured Head Screws**

Best for neat finishes on starting and ending boards as well as fascias and stair treads.

Teak, Ipe, Walnut, Light Grey
#8 x 2", 100 screws / pack; #2 Square drive bit included

Decking Clips

The clips stand a significant role in any installation of composite decking, and should be understood before starting any installation to avoid mistakes.

NewTechWood® has locking systems which feature two clips, one locks and secures the board down (**Locking Clip** 🔒) and the other allows for expansion and contraction (**Control Expansion&Contraction - CEC Clip** ⚙️), so that you don't experience warping or distortion of any kind after installation. The system works because it allows the user to control the direction in which the expansion and contraction will take place.

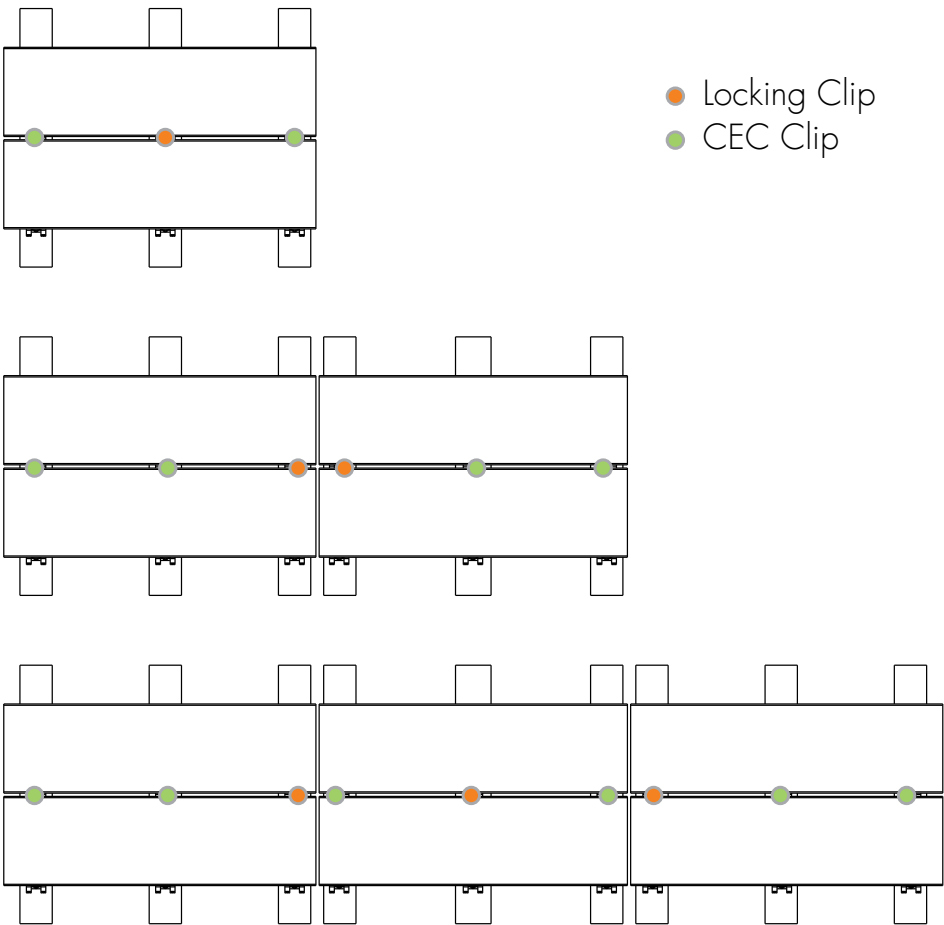
The illustrations below show the recommended placement of Locking and CEC Clips when installing a different number of **UltraShield** decking boards.

Decking Clips	Locking Clip 🔒	CEC Clip ⚙️
<p>T Clip System</p> <ul style="list-style-type: none"> Economical Easy installation 6.0 mm gap 	 <p>TC-1 (Stainless Steel)</p>	 <p>TC-2 (TPO Polymer)</p>

Starter Clip
for fixing the first board:



TC-5 (Stainless Steel)



Please visit www.newtechwood.com to download the full installation guides.
 Please also visit www.youtube.com to watch our installation video, *search: UltraShield*

Backed by a warranty

NewTechWood® is so confident in the product and its long lasting performance, so **UltraShield Decking** is backed by the most comprehensive warranty in the industry:
25 year limited transferable warranty

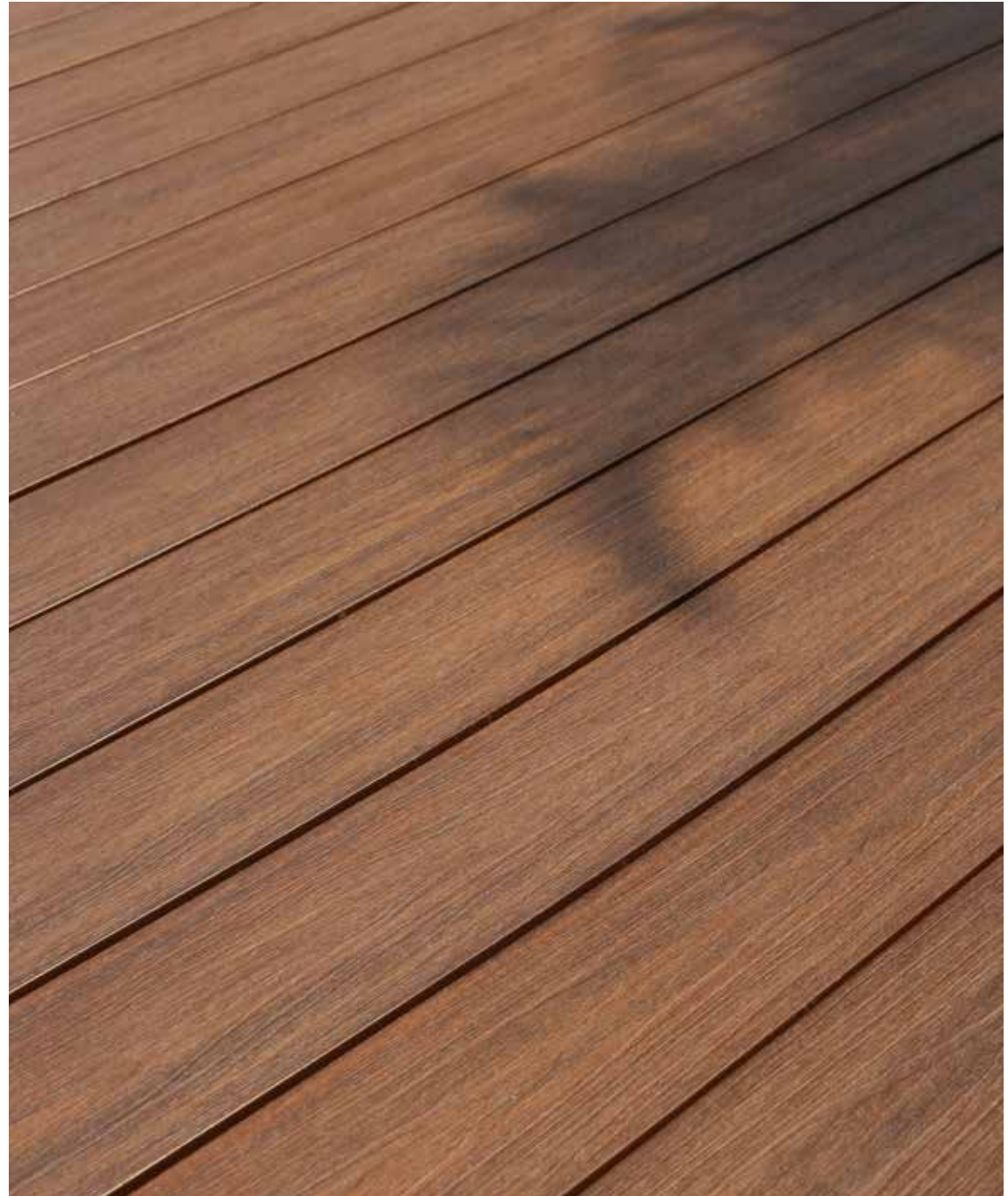


Railing

UltraShield Railing, simple & elegant design to complete your decking, features:

- **UltraShield** technology: all posts & rails are 360 degree shield wrapped
- Colour: White, Teak, Gray and Walnut
- Standard Size: W1850mm x H1038mm (6 ft x 3.4 ft)
- Quick and easy installation







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