



NewTechWood UltraShield®

Composite Outdoor Decking, Cladding, Fencing, Railing, Deck Tiles and More



NewTechWood®

NewTechWood® is a pioneer in the development and manufacture of outdoor composite wood decking, wall cladding, fencing, railing, DIY QuickDeck 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 color variations, from deep chocolate tones to smoky wisps of grey, with natural wood grains, we've got that perfect color 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: **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.**

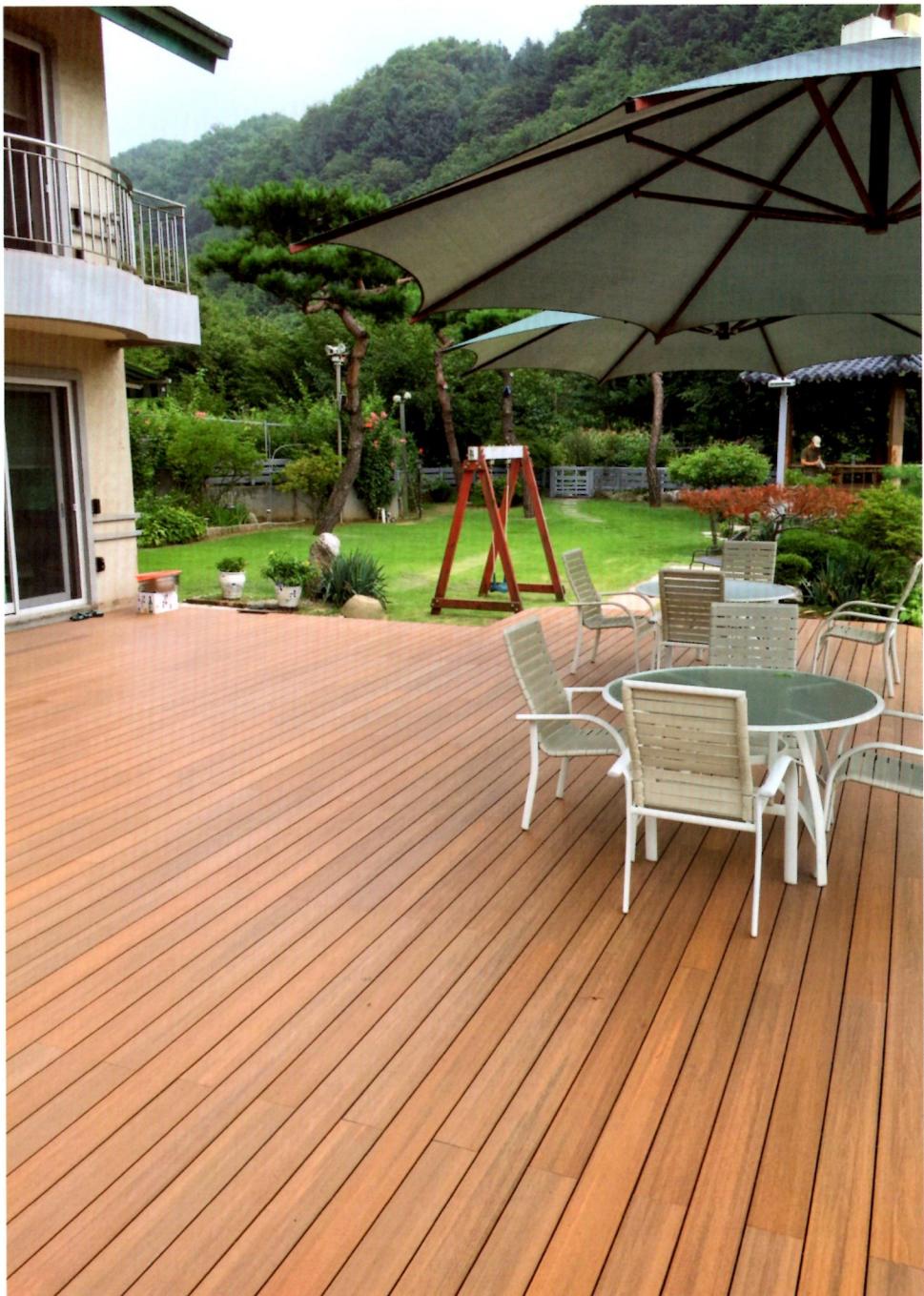
Thinking Green

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.

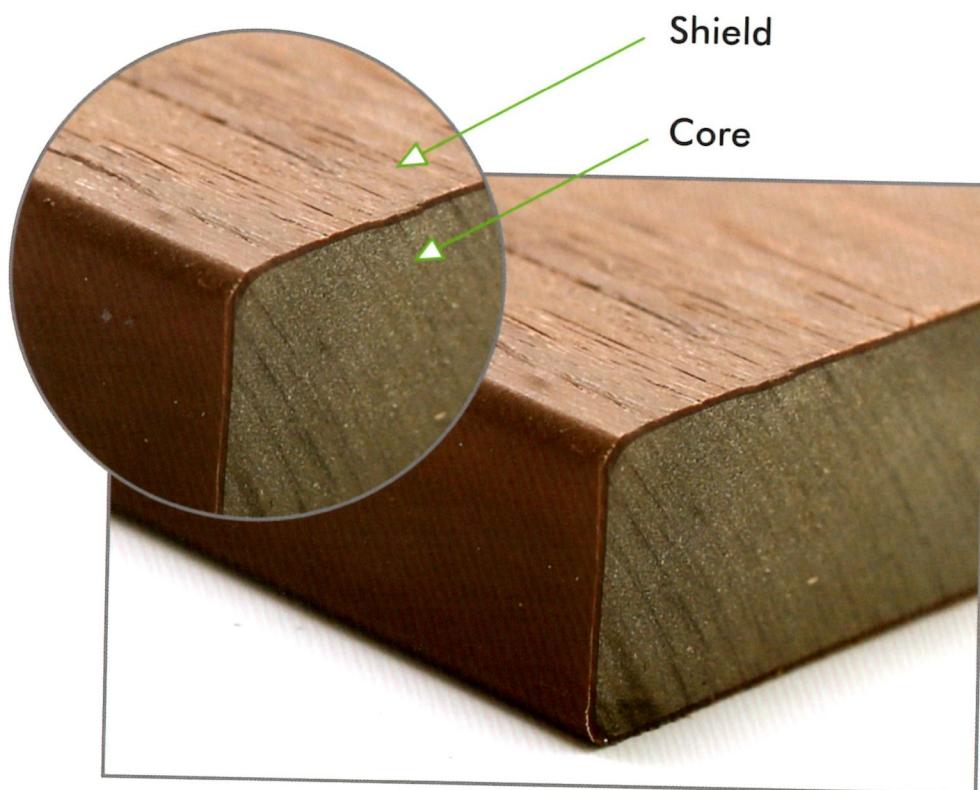
Since we control the entire recycling process, including the proper washing, sorting and screening for impurities, we know exactly what material is going into our products. Total vertical integration of our manufacturing process allows us total control, for consistent quality and color. It also allows 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, which are excellent eco-friendly alternative to wood and can help generate LEED points.
- 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.

✗ Color Fading

The unique formulation of the shield ensures its color 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 color change can be observed with the human eye.

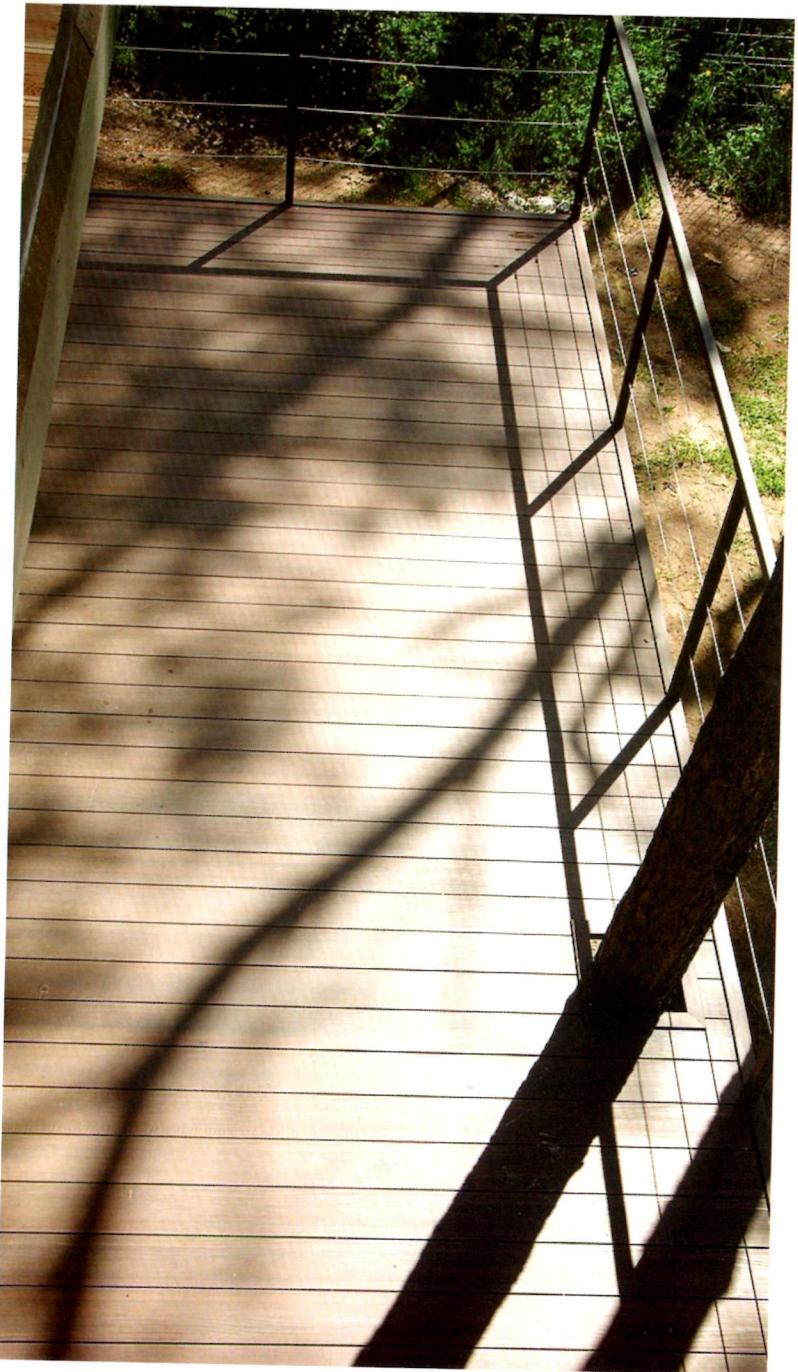
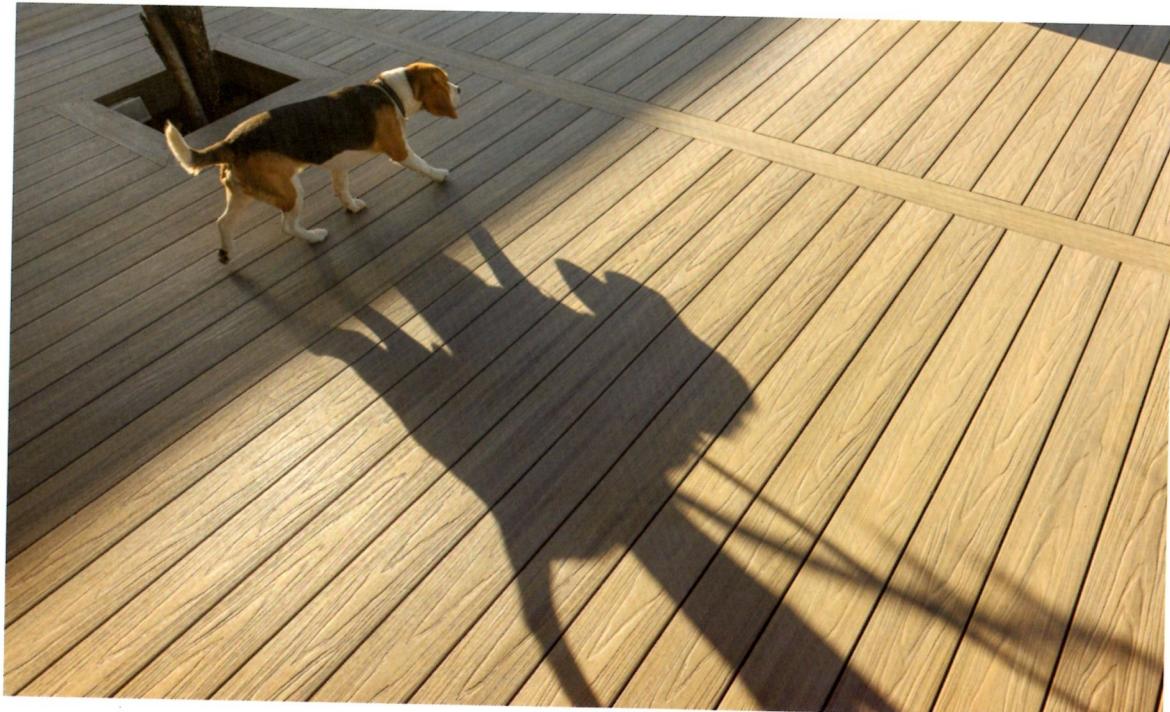
✗ Painting or Oiling

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

Backed by a warranty

UltraShield® Decking is backed by the most comprehensive warranty in the industry:
25 year *limited transferable warranty*

NewTechWood® is so confident in the product and its long lasting performance, that we will either refund the product or replace the material if the deck under performs, so don't worry and just sit back and relax.





NewTechWood® Collection:

UltraShield® Decking: Decking boards, Decking Finishers, Clip Systems

UltraShield® Decorative Wall Cladding: All Weather System & Wall Hanging System

UltraShield® Screen & Partition

UltraShield® Fencing

UltraShield® Railing

UltraShield® Deck Tile

UltraShield® Planter Box / Sand Box

UltraShield® Bench

UltraShield® Naturale™

UltraShield®'s exclusive colors & patterns give you endless possibilities. The latest Naturale™ line features a unique treatment on the shield to make it the most natural feeling capped wood plastic composite EVER.

- Three Patterns -



UltraShield®

Naturale™

- Twenty One Colors -



Note: some colors might be limited to certain profiles or countries, please consult with your local sale advisors.



Teak (TK)



Mahogany (MAH)



Ipe (IP)



Redwood (RW)



Walnut (WN)



Merbau (MB)



Antique (AT)



Stone Gray (ST)



Mirage Gray (MG)



Silver Gray (SI)



Light Gray (LG)



Charcoal (CH)

Decking boards

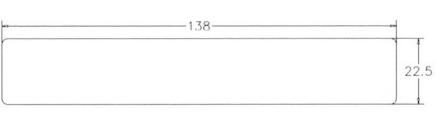
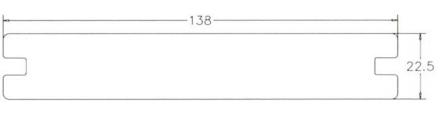
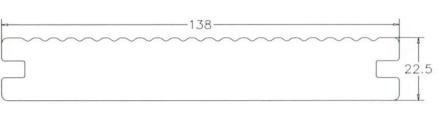
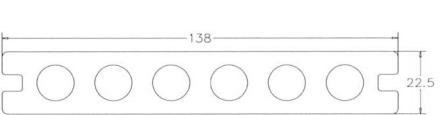
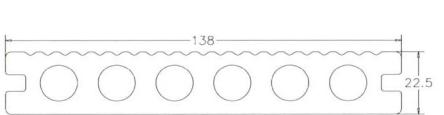
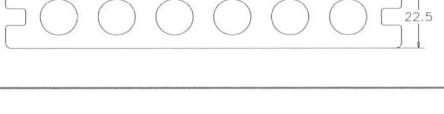
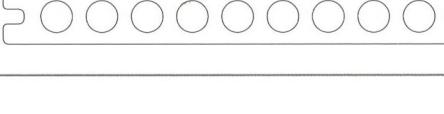
UltraShield® decking comes in solid & hollow profiles for both commercial and residential applications. All of them are wrapped 360 degrees, including the grooves. The shield provides **ULTRA PROTECTION** against moisture, mold, fade, and mildew.

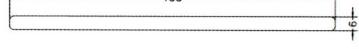
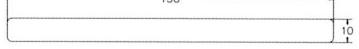
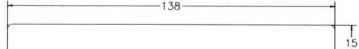
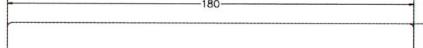
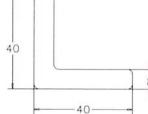
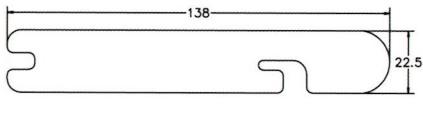
The solid square edge board US07 requires composite screws for installation, while all other grooved boards have compatible decking clips systems (hidden fasteners).

Matching colors decking accessories including: colored head stainless steel screws, starter clips, hidden fastener systems, end caps for hollow profiles, fascia boards in various dimensions for different conditions, are all available to perfectly finish the decking.

UltraShield XL Decking

For more choices on decking designs and applications, **UltraShield®** launched 2 wider and thicker decking profiles for the XL line: **UH18 & UH22**

		US07 138 x 22.5 mm. 5.5 x 0.9 in.
		US01 138 x 22.5 mm. 5.5 x 0.9 in.
		US02 138 x 22.5 mm. 5.5 x 0.9 in.
		UH02 138 x 22.5 mm. 5.5 x 0.9 in.
		UH07 138 x 22.5 mm. 5.5 x 0.9 in.
		UH18 210 x 22.5 mm. 8.3 x 0.9 in.
		UH22 210 x 22.5 mm. 8.3 x 0.9 in.

	 62 10 10	UM02 62 x 10 mm. 2.5 x 0.4 in.
	 85 10 10	UM03 85 x 10 mm 3.3 x 0.4 in.
	 138 6 10 10	US25 138 x 6mm 5.5 x 0.25 in.
	 138 10 10	US08 138 x 10 mm. 5.5 x 0.4 in.
	 138 15 10 15	US06 138 x 15 mm. 5.5 x 0.6 in.
	 180 15 10 15	US03 180 x 15 mm. 7 x 0.6 in.
	 40 40 8 10 10	US20 40 x 40 mm. 1.6 x 1.6 in.
	 138 22.5 10 22.5	US33 138 x 22.5 mm. 5.5 x 0.9 in.
	End Cap Polymer with matching striking colors Fits circle hollow deck profiles: UH02 & UH07	EC-UH02 138 x 23 mm. 5.5 x 0.9 in.

Decking Finishers

NewTechWood® has the following decking accessories available for different applications, to perfectly finish your decking,

- Fascia Boards in various dimensions;
- Capped Composite Decking Repair Kit;
- Stainless Steel Colored Head Screws;
- Starter Clip;
- WPC Shim;
- Cellular Paving Grid
- Hidden fastener systems;
- End caps for hollow profiles,



NewTechWood DeScratch Capped Composite Decking Repair Kit

Best for nail holes, chips, dents, and scratches

Colors: Maple, Teak, Ipe, Walnut, Redwood, Antique, Light Gray, Charcoal, Smoke White,

2 x 10cm Wax Sticks/pack; Applicator included



NewTechWood WPC Shim

- For levelling uneven ground under joists
- Perfect replacement for conventional joist gapping filler like stone or wood
- Use on the ground for decking and also on the wall for cladding & window installation

Material: Regular WPC



NewTechWood Composite Deck Stainless Steel Colored Head Screws

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

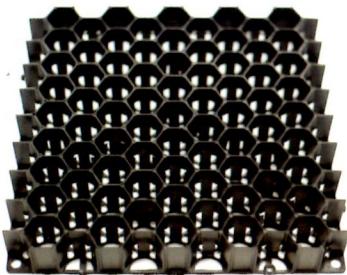
Colors: Teak, Ipe, Walnut, Light Gray, Antique
#8 x 2", 100 screws/pack; #2 Square drive bit included



Shim: Length 190.5mm
Height 1.5-6.5mm



Shim-120: Length 120mm,
Height 7-15mm



NewTechWood Cellular Paving Grid

- Use TPO compounded with recycled plastic, excellent eco-friendly alternative to concrete and asphalt for paving & ground reinforcement material.
- Features hexagonal cell structure & interlocking systems
- Size: L382 x W382 x H50 mm
L 15 x W 15 x H 2 inches

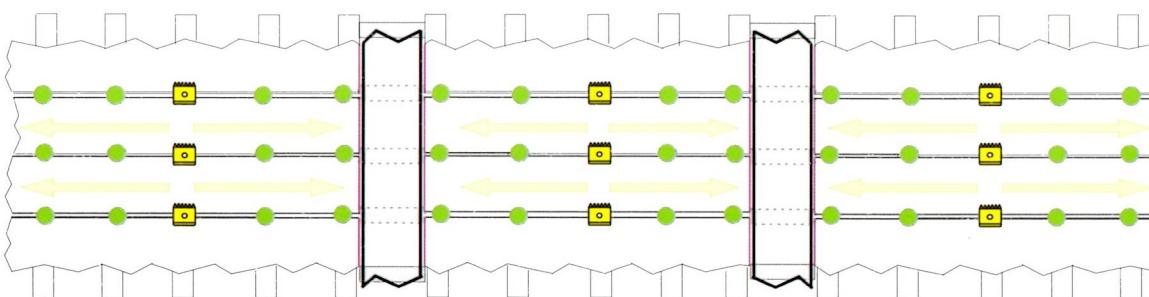
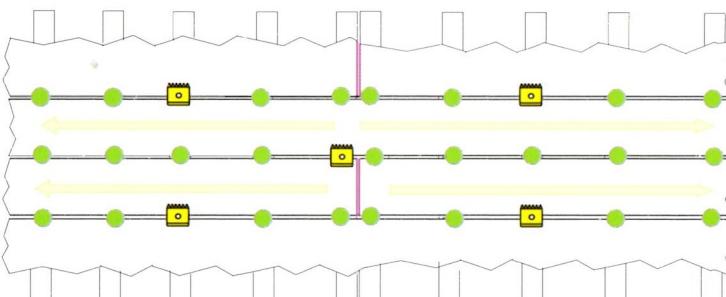
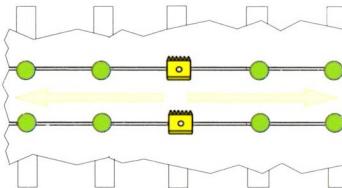


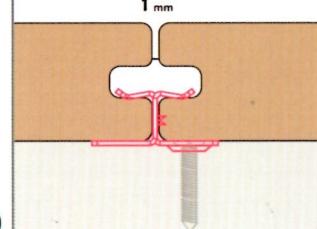
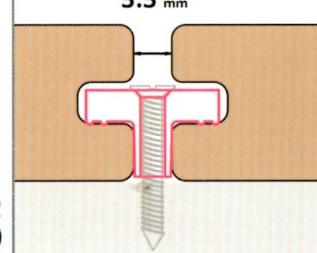
Starter Clip: TC-5
For fixing the first board

Black coated stainless steel

Decking Clips

NewTechWood® has clip 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.



Decking Clips	Locking Clip 	CEC Clip 	
Mini Gap System <ul style="list-style-type: none"> • Stainless Steel with Black Powder Coated • 1.0 mm gap 	 MG-2 (Stainless Steel)	 MG-1 (Stainless Steel)	 1 mm
T Clip System <ul style="list-style-type: none"> • Economical • Easy installation • 5.5 mm gap 	 TC-10 (Stainless Steel)	 TC-2 (TPO Polymer)	 5.5 mm



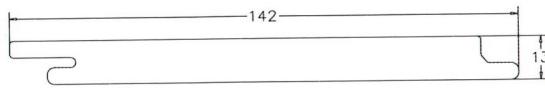
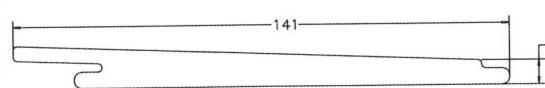
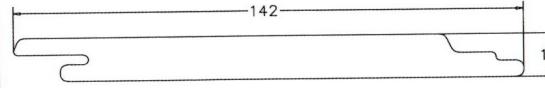
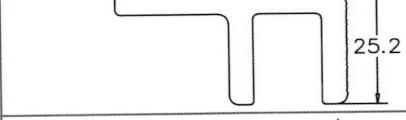
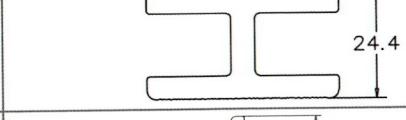
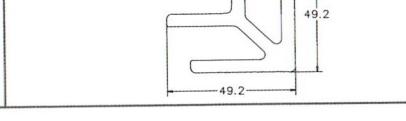
The illustrations show the basic examples of placing Locking and CEC Clips when installing a different number of **UltraShield®** decking boards.

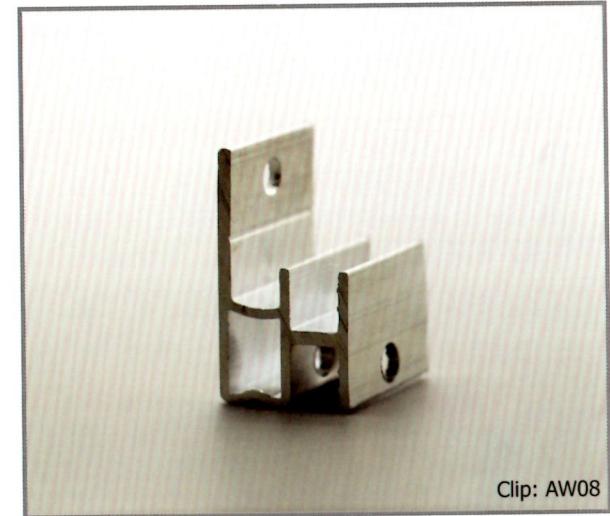
Please visit www.newtechwood.com to download the full installation guides.

Decorative Wall Cladding (All Weather System)

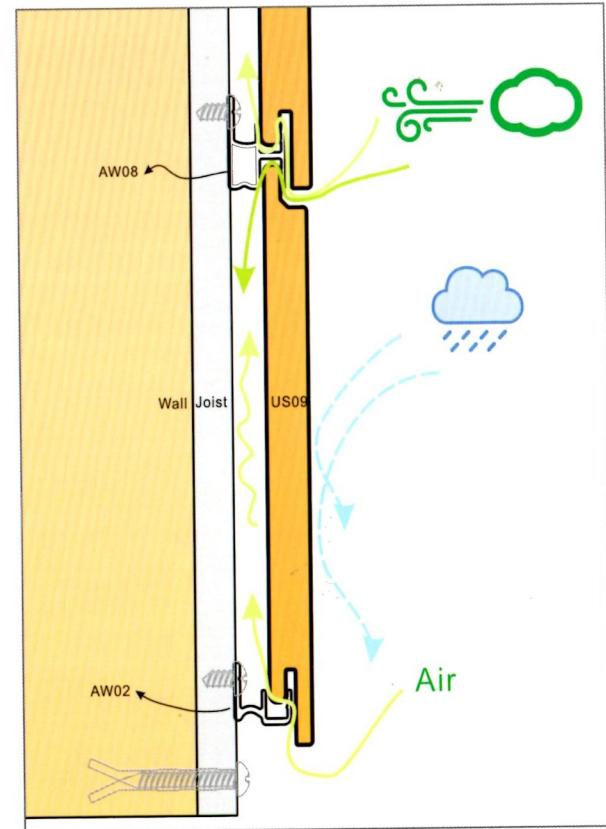
UltraShield® wall cladding is the ultimate solution for exterior walls because it combines the toughness and longevity of a capped wood plastic composite with an engineered design. The shield gives the wall cladding unbeatable colors and textures, with highly stain & UV resistance, making it long lasting and ultra low maintenance.

The compatible cladding clip: the AW08 holds the boards perfectly. It does not only connect the boards and raise them up from the joists, it allows for air circulation between the cladding and joists, keeping the inside dry and isolating water from outside. The AW08 also allows for the boards' to expand and contract readily and at the same time with an addition of a screw it can be used as a locking clip to control the direction of the expansion and contraction.

	 142 mm length, 13 mm height	Plain Siding US09 142 x 13 mm. 5.5 x 0.5 in.
	 141 mm length, 7.5 mm height	Shiplap US30 141 x 7.5 mm. 5.5 x 0.3 in.
	 142 mm length, 13 mm height	Channel Rustic US31 142 x 13 mm. 5.5 x 0.5 in.
	 47.2 mm width, 25.2 mm height	Side Fascia US27 47.2 x 25.2 mm. 1.9 x 1.0 in.
	 40 mm width, 24.4 mm height	Joint Fascia US28 40 x 24.4 mm. 1.6 x 1.0 in.
	 49.2 mm width, 49.2 mm height	Inner & Outer Corner US29 49.2 x 49.2 mm. 1.9 x 1.9 in.



Clip: AW08

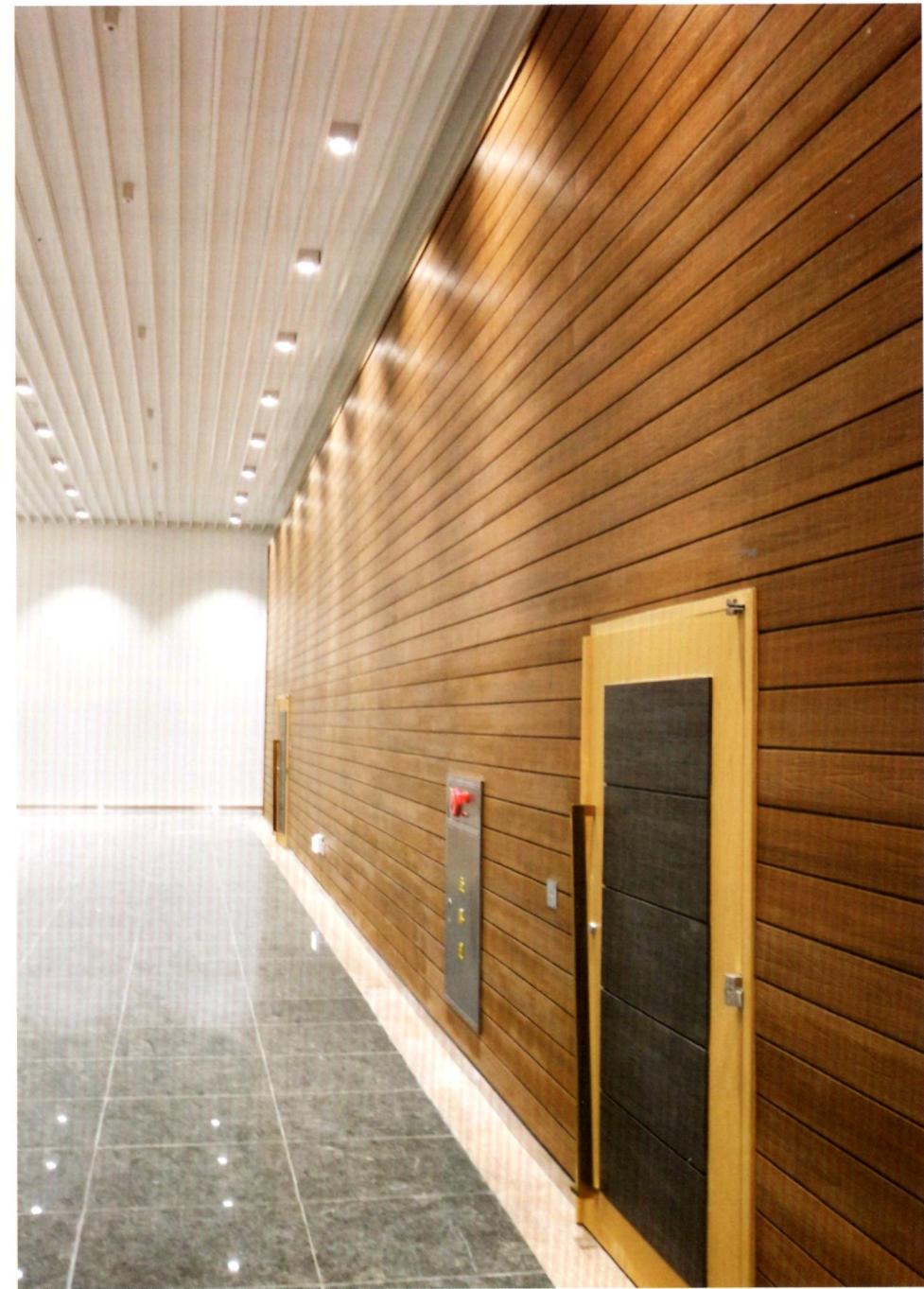
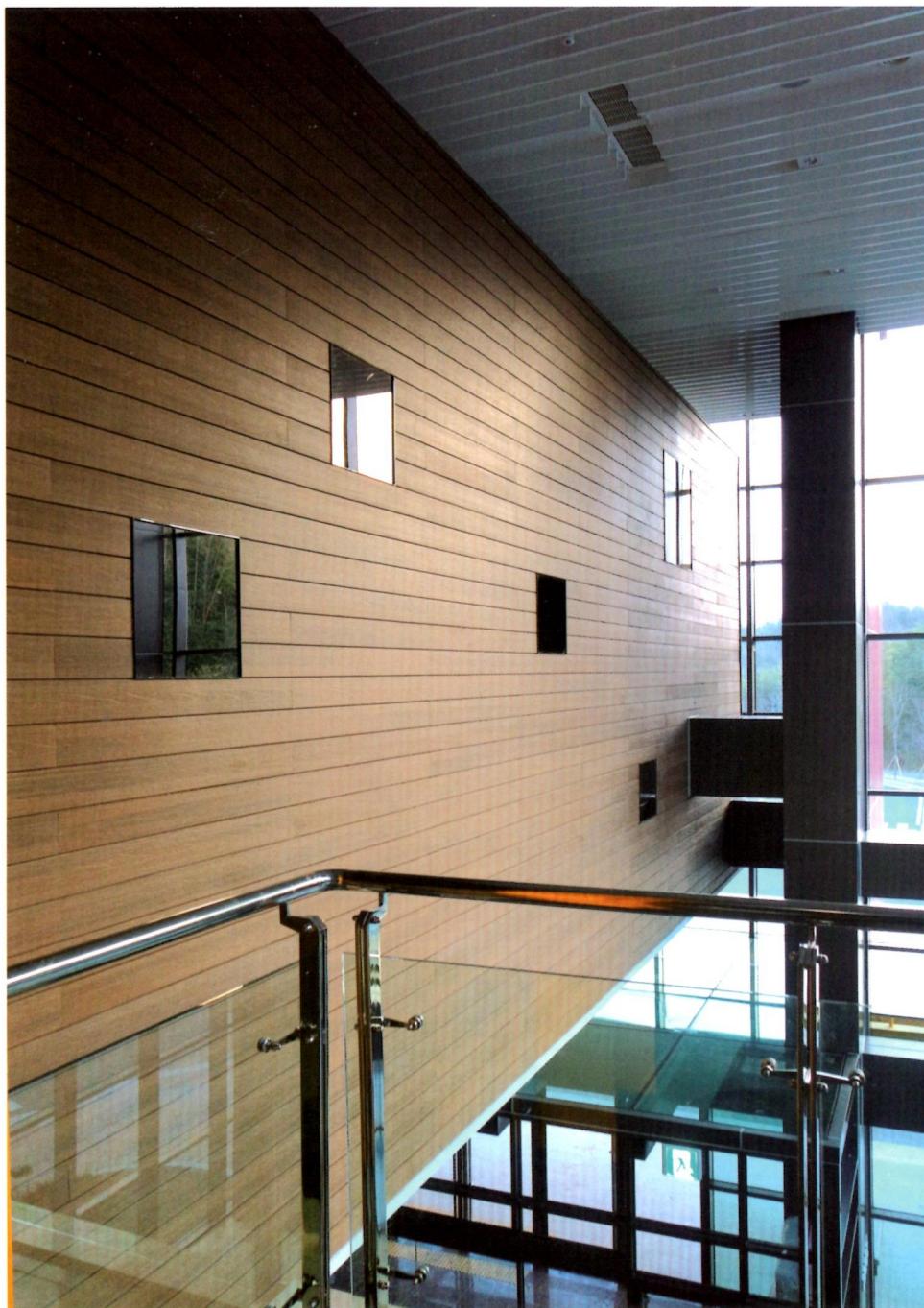


Decorative Wall Cladding (Wall Hanging System)

UltraShield® has a wide range of profiles to help you build an endless amount of exterior wall cladding, screening, partition and fencing projects. Mix and match boards with different colors, patterns, thickness and widths to create a unique combination that will make your neighbor envious.



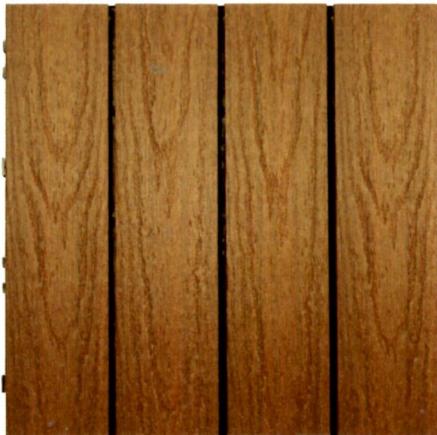
		UM02 62 x 10 mm. 2.5 x 0.4 in.			UM03 85 x 10 mm. 3.5 x 0.4 in.			US08 138 x 10 mm. 5.5 x 0.4 in.
								US06 138 x 15 mm. 5.5 x 0.6 in.
		UB01 56 x 32 mm. 2.2 x 1.3 in.			UB02 72 x 22 mm. 2.8 x 0.9 in.			US07 138 x 22.5 mm. 5.5 x 0.9 in.
								US03 180 x 15 mm. 7 x 0.6 in.
		US17 80 x 15 mm. 3.1 x 0.6 in.			UH17 60 x 42 mm. 2.4 x 1.7 in.			US05 285 x 15 mm. 11 x 0.6 in.



UltraShield Deck Tile

UltraShield® Deck Tile is a complete DIY solution for that boring concrete balcony, terrace or patio. Change it to the rich colors of exotic hardwoods with just a few clicks.

- **UltraShield®** technology: highly stain resistant and ultra low maintenance
- Color choices: all the Naturale™ colors
- Size choices: 300 x 300 mm.(11.8 x 11.8 in.)
 & 300 x 600 mm.(11.8 x 23.6 in.)
- Base: Interlocking TPO polymer matrix base & stainless steel screws
- Flexible locking system: it can be secured from any side
- Quick and easy installation with no tools
- Matching color composite fascias available



Front: Pattern H4



Back

UltraShield® Deck Tile Trims

Three types of fascias: Straight, Outward and Inward are available in matching colors to perfectly finish your deck tiles. All fascias come with a ready to install base pre-fixed with stainless steel screws .



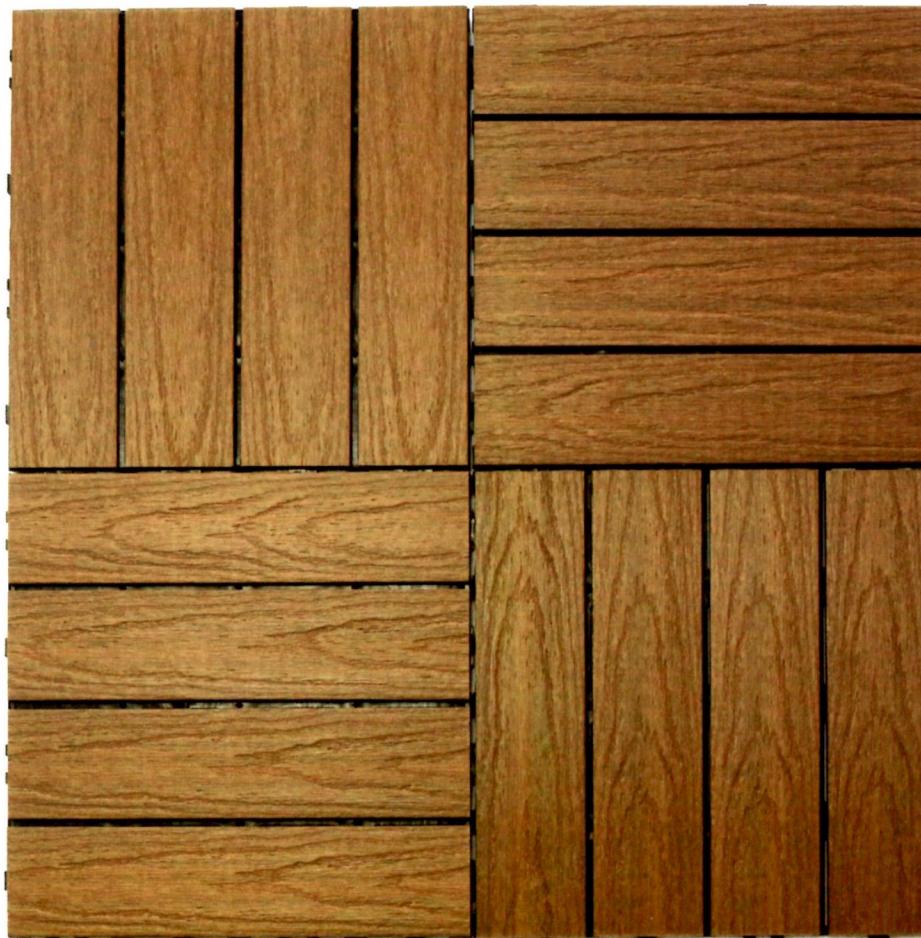
QD-SF (Straight Fascia)

QD-OF (Outward Corner Fascia)

QD-IF (Inward Corner Fascia)

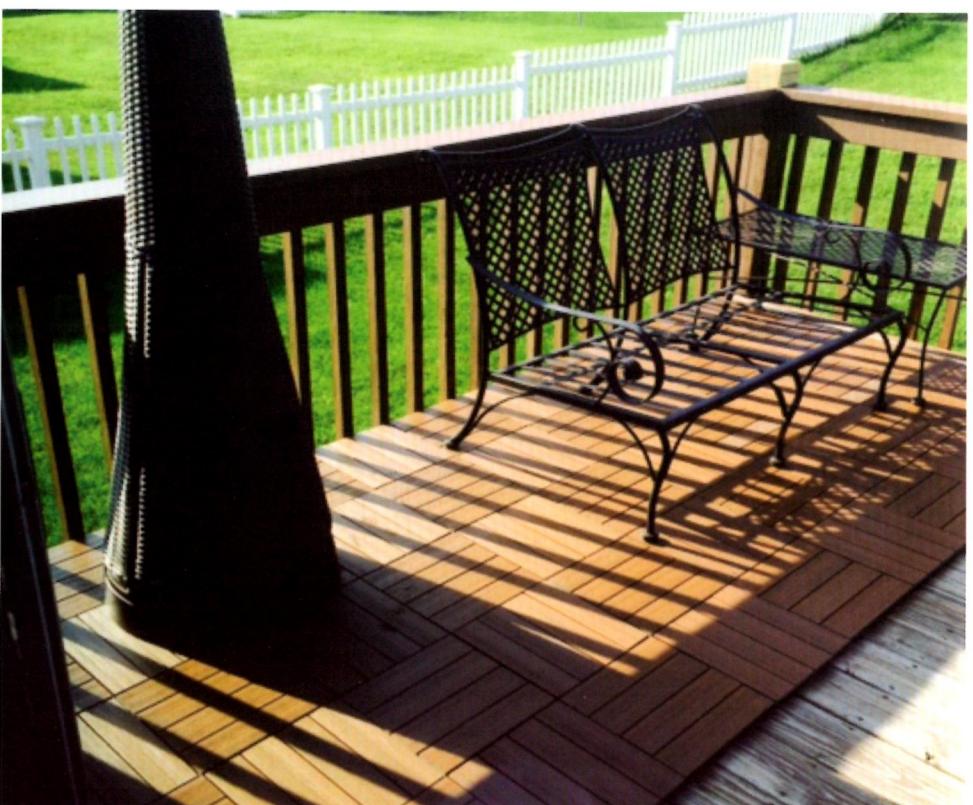
Flexible Locking System

can be secured from any side to create your own pattern



Quick & Easy Installation

Watch the deck tile transformation on www.Youtube.com
please search: NewTechWood

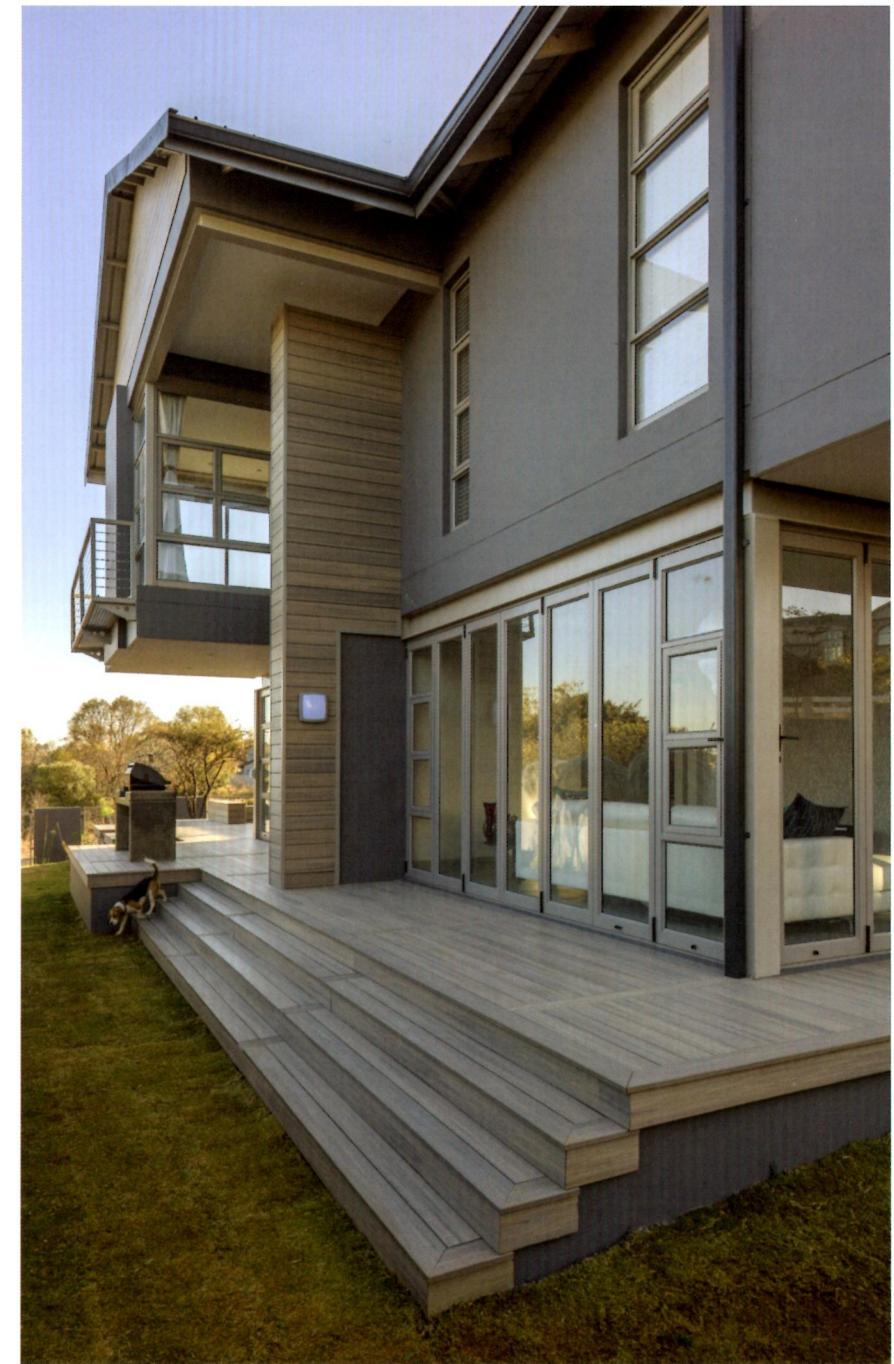


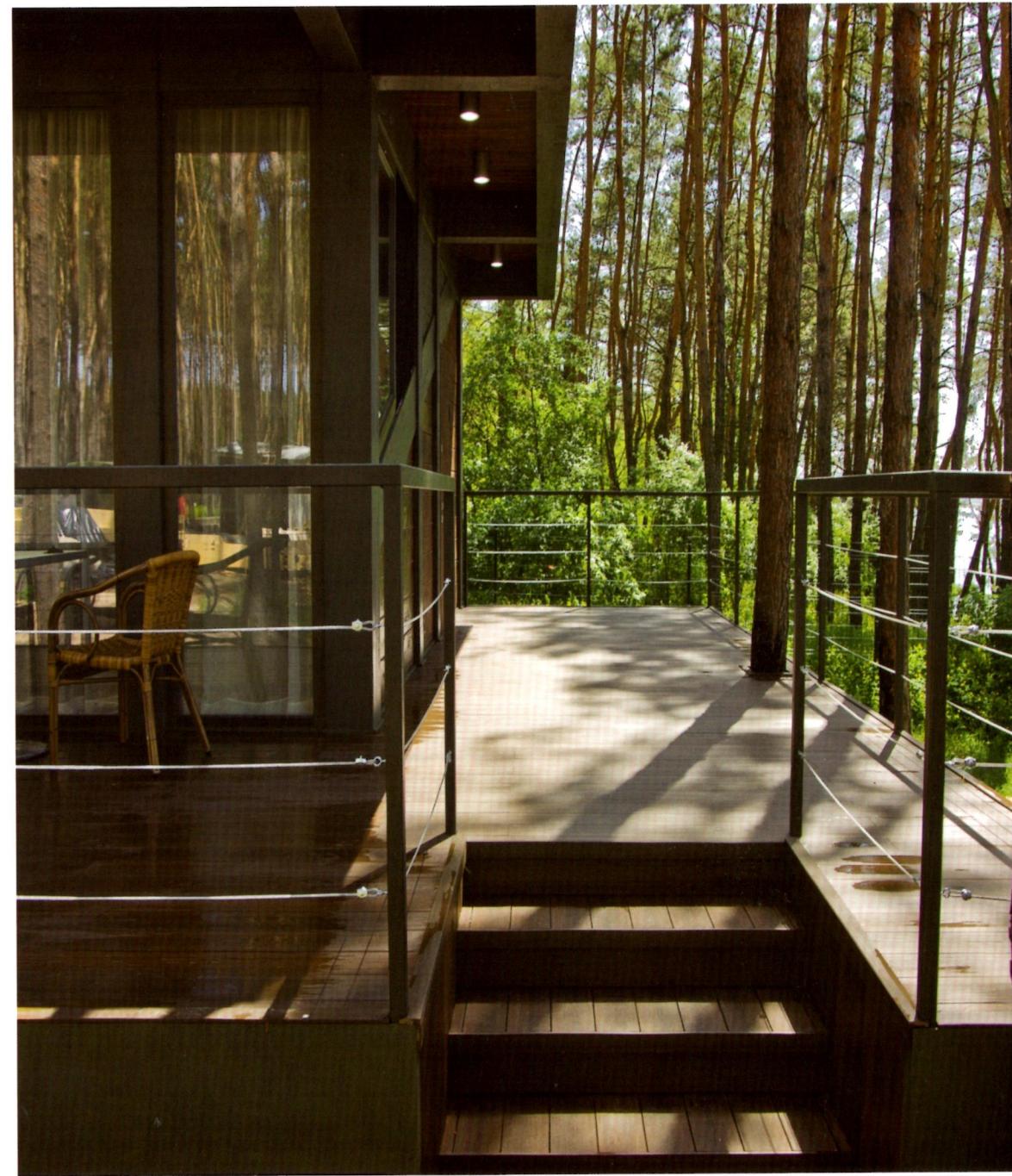
UltraShield® Planter Box / Sand Box

- Quick & Easy to assemble without any tools, no screws, no nails
Easy & fun for all family members, great for flowers, vegetables, planters, sand, etc
- The boards are made of UltraShield capped composite material:
Long lasting colors and ultra low maintenance;
No rot, no mildew, no mold, no more painting or harmful chemical
- Special perforated sheet
Keeps soil and sand in while allowing for water drainage;
Improves root to grow healthy by supplying oxygen (O_2) through the base grid and perforated sheet into the root.
- Available is 4 sizes & 2 colors, can stack up to 3 layers
Various choices to suit your garden or balcony



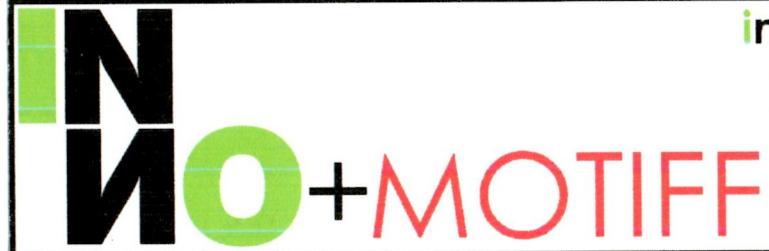
<p>MFG: PB_1x3_White Size : H 245 x L1095 x W365mm / Covers: 0.4 sqm Size : H 0.8 x 3.6 x 1.2 ft / Covers: 4.32 sqft</p>	<p>MFG: PB_2x3_White Size : H 245 x L1095 x W730mm / Covers: 0.8 sqm Size : H 0.8 x 3.6 x 2.4 ft / Covers: 8.64 sqft</p>
<p>MFG: PB_2x2_White Size : H 245 x L730 x W730mm / Covers: 0.54 sqm Size : H 0.8 x 2.4 x 2.4 ft / Covers: 5.74 sqft</p>	<p>MFG: PB_3x3_White Size : H 245 x L1095 x W1095mm / Covers: 1.2 sqm Size : H 0.8 x 3.6 x 3.6 ft / Covers: 12.96 sqft</p>
<p>MFG: PB_1x3_Teak Size : H 245 x L1095 x W365mm / Covers: 0.4 sqm Size : H 0.8 x 3.6 x 1.2 ft / Covers: 4.32 sqft</p>	<p>MFG: PB_2x3_Teak Size : H 245 x L1095 x W730mm / Covers: 0.8 sqm Size : H 0.8 x 3.6 x 2.4 ft / Covers: 8.64 sqft</p>
<p>MFG: PB_2x2_Teak Size : H 245 x L730 x W730mm / Covers: 0.54 sqm Size : H 0.8 x 2.4 x 2.4 ft / Covers: 5.74 sqft</p>	<p>MFG: PB_3x3_Teak Size : H 245 x L1095 x W1095mm / Covers: 1.2 sqm Size : H 0.8 x 3.6 x 3.6 ft / Covers: 12.96 sqft</p>







NewTechWood UltraShield®



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