



NewTechWood UltraShield®
Composite Decking & Cladding



NewTechWood

NewTechWood is a pioneer in the development and manufacturing 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. 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®**. 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 fibres 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.

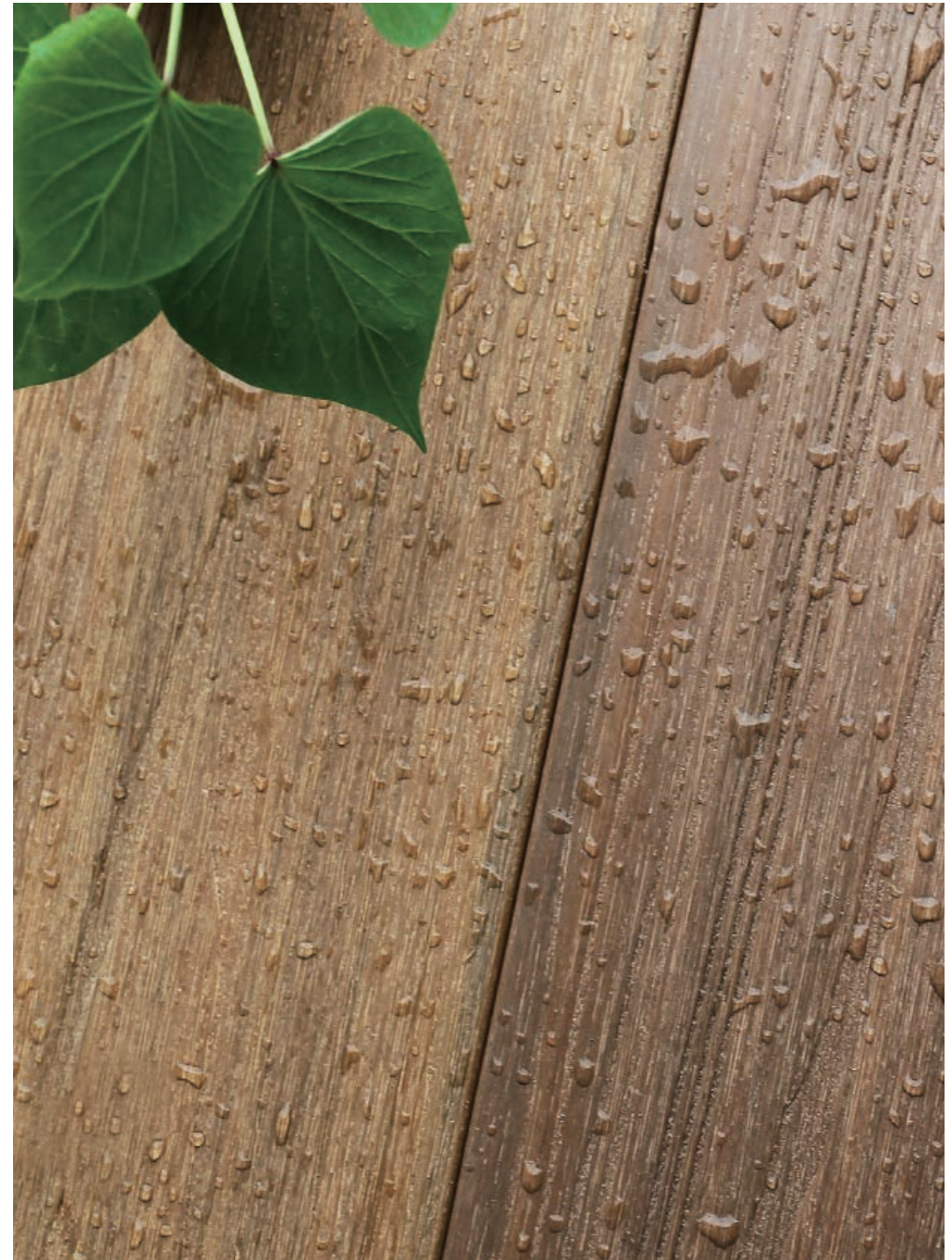
Since we control the entire recycling process, including the proper washing, sorting and screening for impurities, we know exactly what material is going into our products. Total vertical integration of our manufacturing process allows us total control, for consistent quality and colour. It also allows 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 fibres.
- 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.

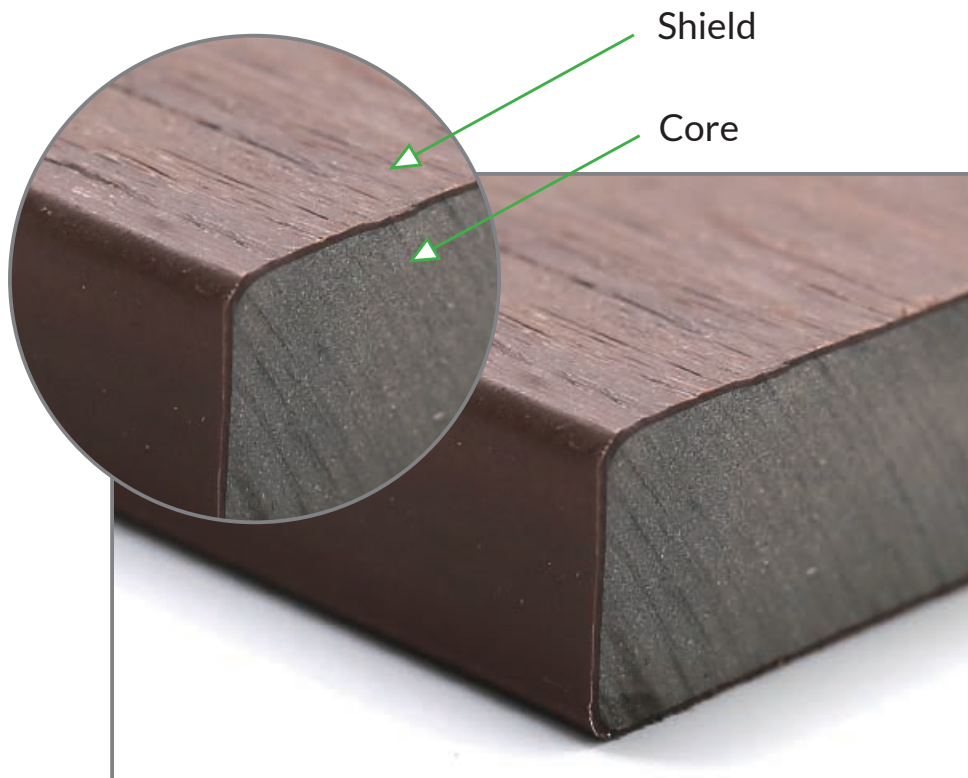


Environmentally
Friendly





NewTechWood **UltraShield®** Technology



UltraShield® is a capped wood plastic composite. With an advanced premium shield encasing all four sides around its inner core. The shield and core are combined under very high-temperatures, creating an impermeable shield.

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, Mould, 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[®] Naturale[™]

UltraShield[®]'s unique design and colour choices will bring your decking project to life.

UltraShield[®] latest Naturale[™] product range features a unique treatment on the Shield. It's the most natural feeling capped composite available. Walk barefoot or lie down in comfort. With no splinters you can be sure that kids and family pets can safely enjoy the decking.

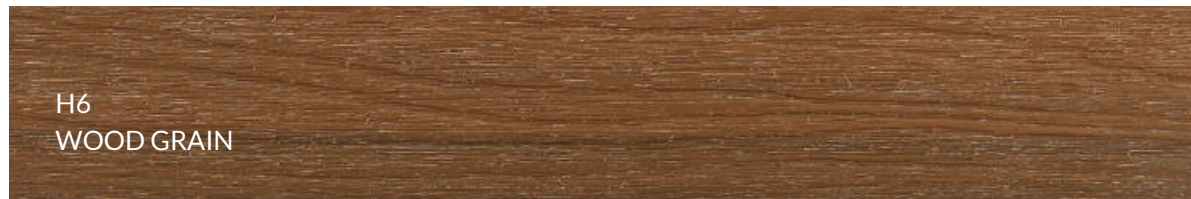
And with UltraShield[®]'s built in protection against UV rays. Don't worry about colour fading. Your decking will remain beautiful for years to come.

Colour Collection

Oak, Teak, Walnut, Antique, Silver grey, Light Grey, Charcoal, Ebony

Pattern Selection

H1, H6


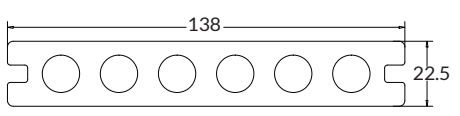

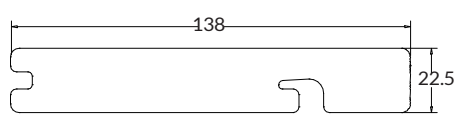

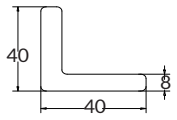


Decking

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, mould, fade, and mildew.


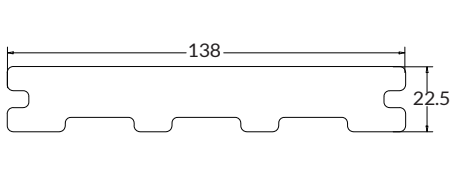
The bullnose board US33 requires MG-3 starter clip for installation.

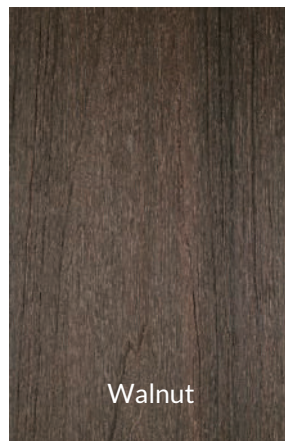
All available in UltraShield Naturale™ finish and the 8 colours.

		Hollow Decking Board UH02 138 x 22.5 x 4880 mm
		Bullnose Stair Edge US33 138 x 22.5 x 2800 mm
		Fascia US20 40 x 40 x 2800 mm

*Also it is available in all colours.



		Solid Decking Board US53 138 x 22.5 x 4880 mm
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Colour Collection

Antique, Walnut, Light Grey, Ebony

Pattern Selection

H6



Decking Accessories

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.



NewTechWood DeScratch Capped Composite Decking Repair Kit

Best for nail holes, chips, dents, and scratches

Teak, Walnut, Antique, Light Grey and Charcoal
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, Antique, Light Grey, Charcoal and Silver Grey
#8 x 2", 100 screws / pack; #2 Square drive bit included

Decking Clips

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

NewTechWood has a 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 illustration shows the recommended placement of Locking and CEC Clips when installing a different number of **UltraShield®** decking boards.

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

Starter Clip

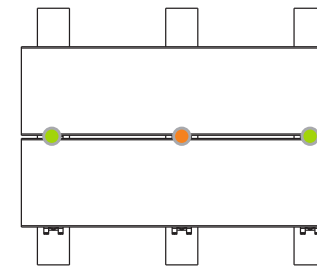
For fixing the first board:





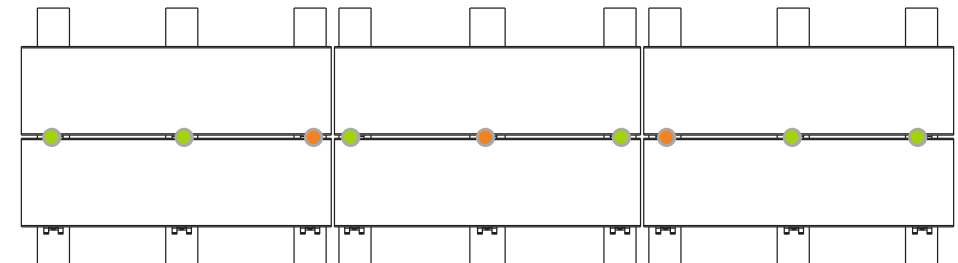
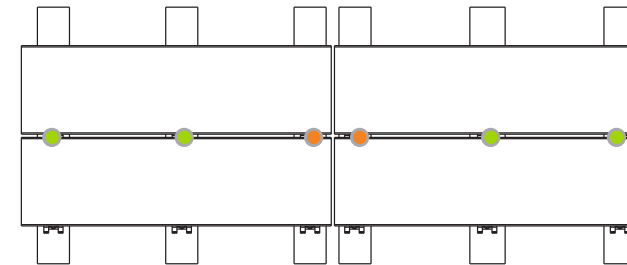
MG-3 (Stainless Steel)

Due to the small gap of the MG Clips there might be differences in gap sizes after installation as the composite itself has width tolerances.

Please contact the manufacturer to understand if this clip is approved to be installed in your area.



 Locking Clip
 CEC Clip



Please visit www.mapleplastics.co.uk & www.newtechwooduk.com for full installation guides.







UltraShield[®] Naturale[™]

UltraShield[®] wall cladding is the ultimate solution for exterior walls. Combining the toughness and longevity of a capped wood plastic composite with the beautiful, natural looks of wood.

The Ultrashield capping gives the composite cladding unbeatable colours and textures, with highly stain & UV resistance, making it long-lasting and ultra low maintenance.



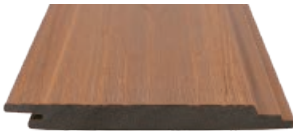
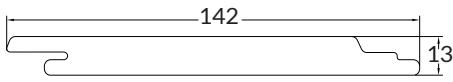

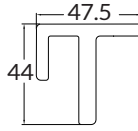

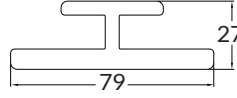

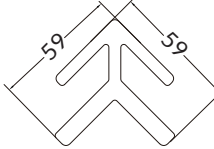

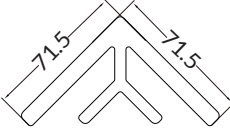
Colour Collection

Teak, Red Cedar, Antique, Silver Grey, Ebony







		Shadowline Cladding US31 142 x 13 x 2440 / 3600 mm
		F-Trim US44 47 x 44 x 2500 mm
		H-Trim US45 79 x 27 x 2500 mm
		Outside Corner Trim US46 59 x 59 x 2500 mm
		Inside Corner Trim US47 71.5 x 71.5 x 3000 mm

Cladding Accessories



Rubber Stopper
MFG: T-7

Material: Rubber
18 X 8 mm



Siding Clip
MFG: AW08

Material: Aluminum
20 X 15 X 28 mm



Siding Starting Trim
MFG: AW02

Material: Aluminum
15 x 14.5 x 3000 mm



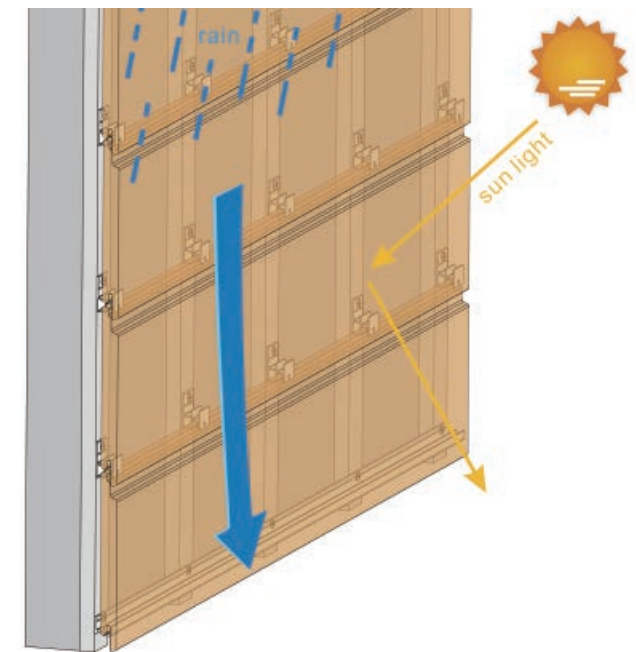
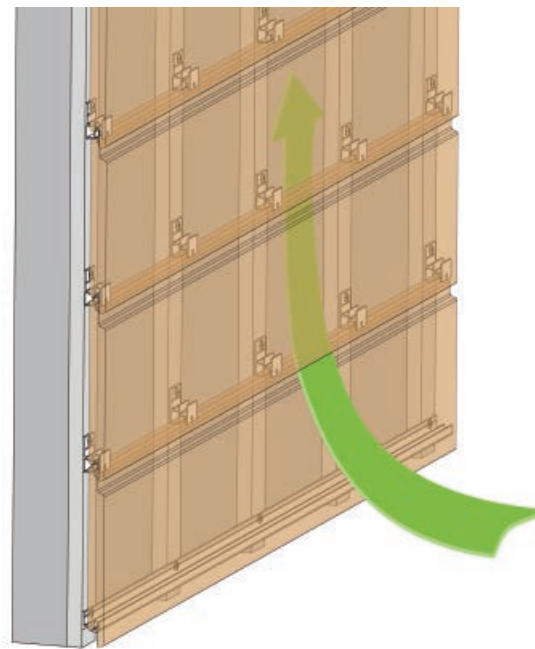
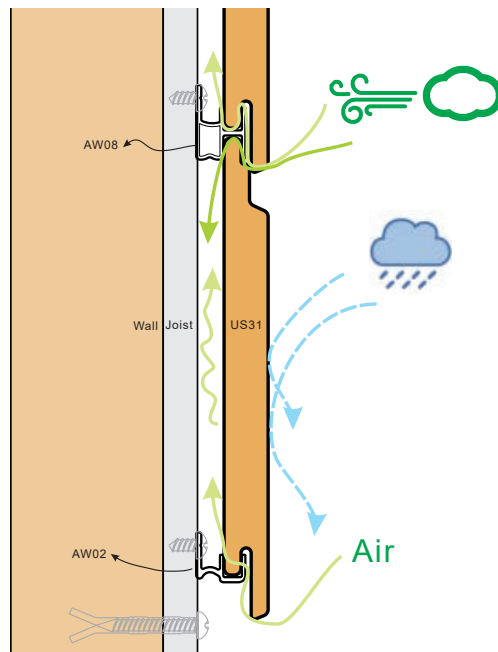
* All colours and patterns shown are for reference only.



UltraShield® Naturale™

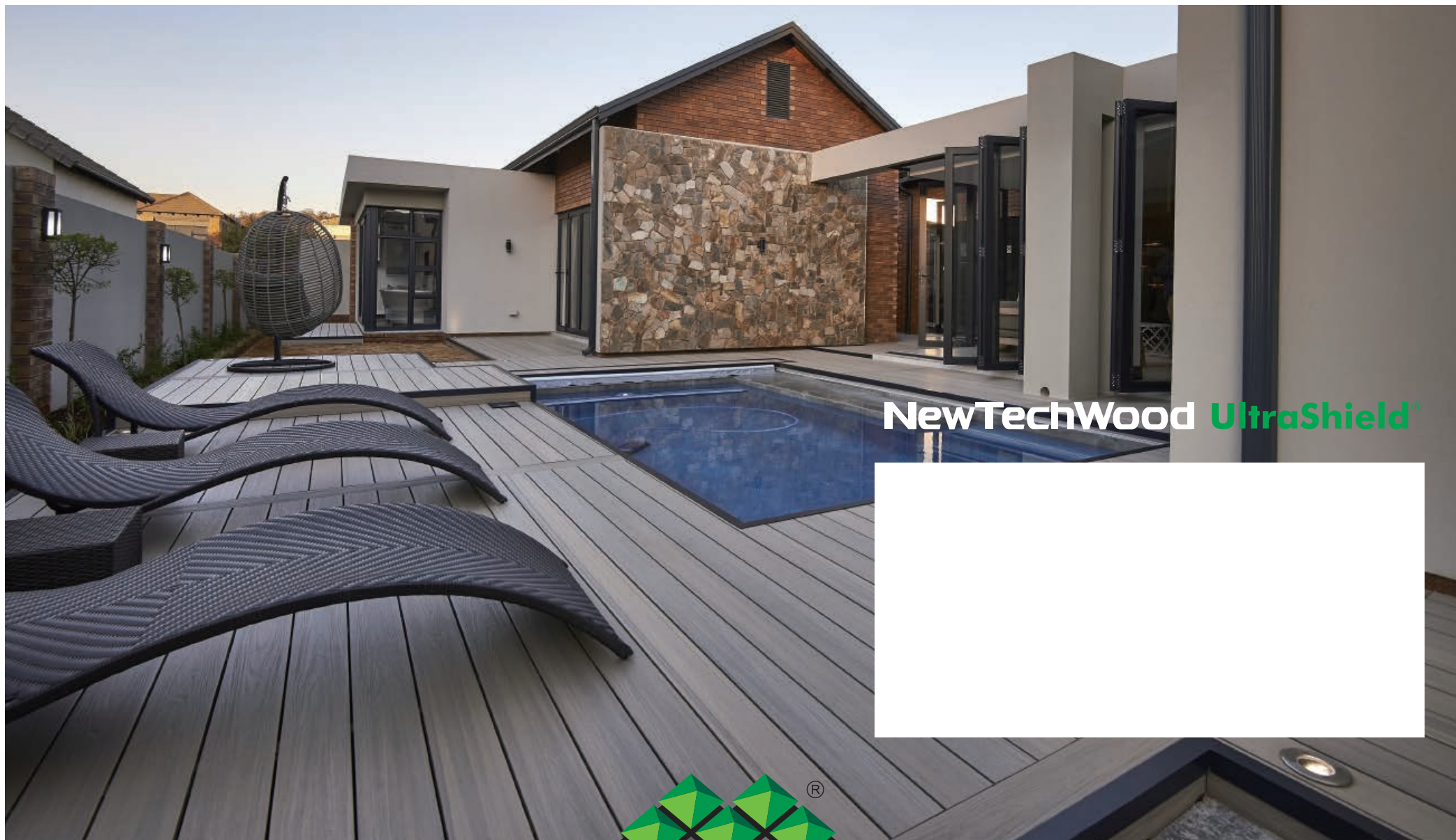
UltraShield Cladding allows for air circulation between the cladding and joists, keeping the inside dry by isolating water from outside. Widely used for exterior walls on individual residential homes, garden rooms, apartments and commercial buildings.

Thanks to its high-performance shell, UltraShield Cladding resists stains and mould unlike traditional uncapped composites. As there is no need for painting or oiling there are no additional overheads involved in the installation and upkeep.









NewTechWood UltraShield®



NewTechWood

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