

A large outdoor deck made of dark grey composite decking is the central focus. The deck is surrounded by well-manicured green hedges. In the background, there is a black metal fence, a green lawn, and a line of trees under a clear blue sky. A small grey building is visible on the left. A red banner in the top right corner contains the brand name and tagline.

Whiteriver

composite for living

New Collection

COMPOSITE DECKING & CLADDING

What Is Composite Decking?

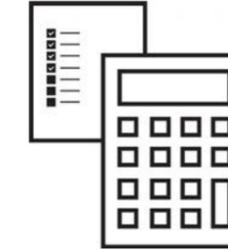
Our Composite Decking is made using 60% recycled wood, 30% recycled high density polyethylene and 10% additives and pigments. The unique mixture creates a revolutionary composite of improved, user friendly material that outperforms traditional wood and plastic decks.

Strong and durable, our Composite Decking looks and feels just like natural wood. The unique formula provides long lasting composite timber decking that is environmentally friendly, easy to install and requires less maintenance compared with traditional timber and comes with a 10 year (Portland) and 10, 15, and 25 year (UltraShield) limited warranty.

Our Composite Decking was developed to meet the exceptionally high standard required for outdoor living today.

Our decking is ideal for the construction of commercial and domestic decks, marinas, board walks and swimming pool surrounds as well as many other uses.

Installation is simple using a handy clip system that creates a smooth even look to the deck. This system means that you do not have to use unsightly screws or nails and the board spacing is already worked out.



Visit our

Composite Calculator

on wrg.ie

Need to calculate your area? We've got you covered.

Head on over to the Whiteriver website to access our Composite Decking calculator, by using the calculator you can make informed decisions for the quantity of product you require.



SCAN
to View Online or visit:
www.wrg.ie/decking-calculator/

Portland Decking	7
Montana Woodgrain NEW	9
Montana	11
Montana Fire Rated Decking	15
Nevada Solid	17
Trims and Accessories	22
Portland Hand Rail	24
UltraShield	27
Terrain NEW	31
Naturale	33
Naturale Wide	43
Trims and Accessories	52
Aluminium Railing	55
Pedestals and Subframes	58
Aluminium Joist	62
Decking Preparation	64
Do's and Don'ts	66
Installation Guide	70
Cladding	75
Contemporary TRENDING	77
Trims and Accessories	78
Traditional TRENDING	81
Trims and Accessories	82
Installation Tips	87
Fencing NEW RANGE	89
Reno	91
Tahoe	93
Denver	95
Index	98
FAQ	100
Care and Maintenance	102



ULTRASHIELD NATURALE WALNUT DECKING 138 X 23 X 3600MM



ULTRASHIELD NATURALE CEDAR DECKING 138 X 23 X 3600MM

Why Choose Composite Products?

Composite Living is for the home-owner who wants an outdoor product with a natural look, uniform colouration and will not need any annual oil treatment like conventional wooden outdoor products. Whiteriver Composite Decking, Cladding and Fencing products have a long lifespan, which saves time and money, now and in the future.



Composite Decking & The Environment

At Whiteriver, we believe that sustainability using recycled materials is essential for the future of our environment. When you buy our composite decking, you can feel confident that your purchase has been kind to the environment.

Our decking and cladding help the environment by using recycled material, both the wood fibres and plastic in our decking come from recycled material. To help understand the benefits of this recycling, each length of composite decking contains the equivalent of over 50 recycled plastic bottles. The product also comes with a comprehensive warranty, supporting its long life expectancy which further enhances its friendliness to the environment. Our product outperforms the competition with unrivalled quality and appearance, making your outdoor space the envy of all who have the pleasure of using it.

The growing public concern for environmental sustainability is at the heart of the manufacturing process. Total vertical integration of the manufacturing process using the recycled materials allows for complete control providing for consistent quality and finish.

Our composite decking is made from:

- 60% wood fibre, which is sourced as recyclable waste from other industries.
- 30% HDPE (high density polyethylene) which is from recycled plastic.
- 10% additives / pigments.



Portland Decking

DURABILITY, LONGEVITY AND STYLE.

MONTANA WOODGRAIN CHARCOAL 135 X 25 X 3600MM

PORTLAND DECKING RANGE

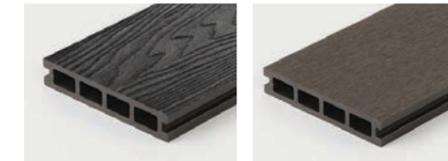
Our premium quality composite decking Portland range includes Montana, Montana Woodgrain, Montana Fire Rated board, Nevada, each designed to cater to your unique decking needs. This range is built to offer the perfect combination of durability, longevity, and style, ensuring your outdoor space looks stunning for years to come. Whether you are looking for a natural wood-like appearance or a bold statement, our Portland Range has got you covered.

PORTLAND
10 YEAR LIMITED WARRANTY

Acc. to Whiteriver terms - see wrgie for full details.

Montana Woodgrain

Available in Charcoal, Soft Grey & Anthrazit

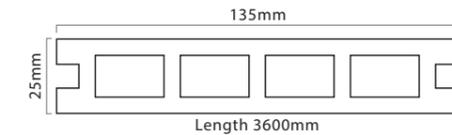


Side 1

Side 2

Board Dimensions: 135 x 25 x 3600mm

Board Coverage: 0.508m² (1m² = 1.97 boards)



Montana

Available in Charcoal, Soft Grey & Anthrazit

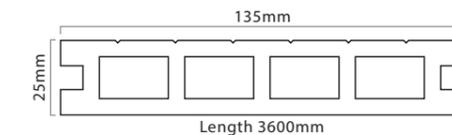


Side 1

Side 2

Board Dimensions: 135 x 25 x 3600mm

Board Coverage: 0.508m² (1m² = 1.97 boards)



Montana Fire Rated Bfl-S1

Available in Soft Grey & Anthrazit

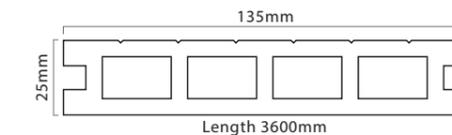


Side 1

Side 2

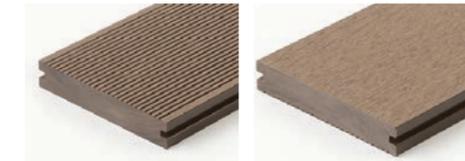
Board Dimensions: 135 x 25 x 3600mm

Board Coverage: 0.508m² (1m² = 1.97 boards)



Nevada

Available in Soft Grey and Anthrazit

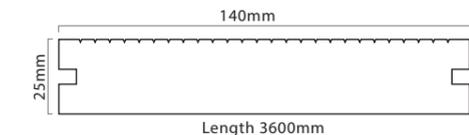


Side 1

Side 2

Board Dimensions: 140 x 25 x 3600mm

Board Coverage: 0.522m² (1m² = 1.92 boards)



RAL Colour Chart

Portland	Montana Soft Grey	Montana Charcoal	Montana Anthrazit	Montana Fired Earth	Nevada Soft Grey	Nevada Anthrazit
Closest Ral Number	7037	7022	8014	8025	7037	8014

Decking Calculator Estimator (No. of boards required)

Product	10m ²	12m ²	14m ²	16m ²	18m ²	20m ²	22m ²	24m ²	26m ²	28m ²	30m ²	32m ²	34m ²	36m ²	38m ²	40m ²	42m ²	44m ²	46m ²	48m ²	50m ²
Montana	20	24	28	32	35	39	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99
Nevada	19	23	27	31	35	38	42	46	50	54	58	61	65	69	73	77	81	84	88	92	96

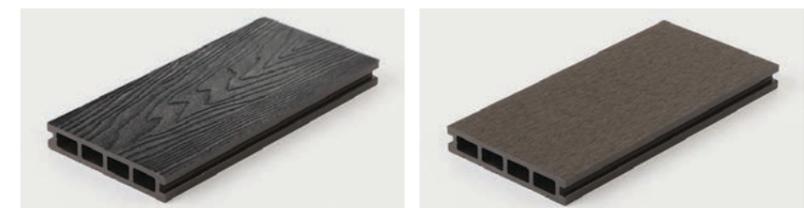


New Woodgrain PORTLAND MONTANA

PORTLAND
10 YEAR LIMITED WARRANTY

Acc. to Whiteriver terms - see wrg.ie for full details.

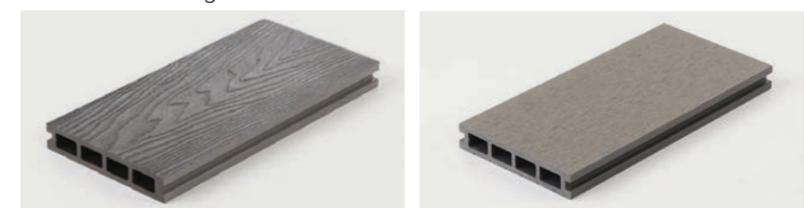
Available in: Charcoal, Anthrazit, Soft Grey. ↔ Reversible Boards ↔



Woodgrain Charcoal
135 x 25 x 3600mm
K1210203



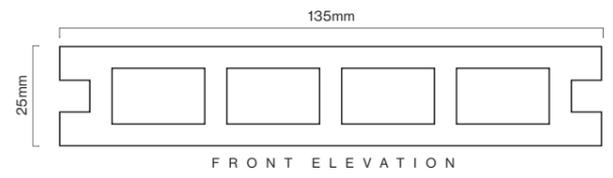
Woodgrain Anthrazit
135 x 25 x 3600mm
K1210201



Woodgrain Soft Grey
135 x 25 x 3600mm
K1210202



View Online



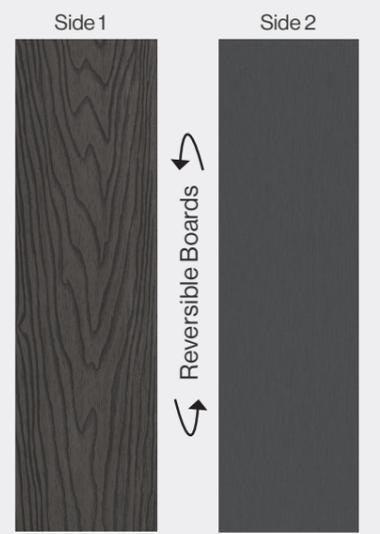
NEW

Montana Woodgrain

We have added a new dimension to our popular Montana composite deck board with this new Woodgrain effect which has a reversible board underside. This board has all the familiar attributes of our current Montana board while creating an alternative surface finish.

Board Dimensions: 135 x 25 x 3600mm
Board Coverage: 0.508m² (1m² = 1.97 boards)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ Matching Posts & Railings *Excluding Charcoal



Woodgrain Charcoal



PORTLAND MONTANA SOFT GREY 135 X 25 X 3600MM

PORTLAND MONTANA

10 YEAR LIMITED WARRANTY

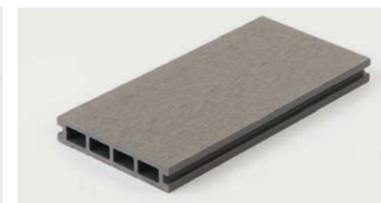
Acc. to Whiteriver terms - see wrg.ie for full details.

Available in: Charcoal, Anthrazit, Soft Grey.

↔ Reversible Boards ↔



Rough Side



Smooth Side

Montana Soft Grey
135 x 25 x 3600mm
K1210027



Rough Side



Smooth Side

Montana Anthrazit
135 x 25 x 3600mm
K1210001



Rough Side

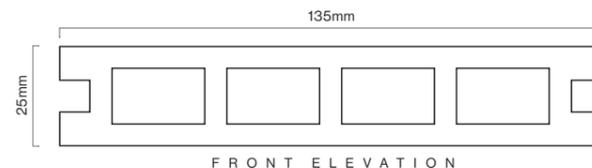


Smooth Side

Montana Charcoal
135 x 25 x 3600mm
K1210003



View Online

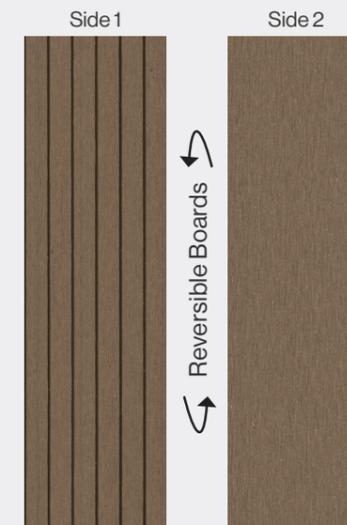


Portland Montana

Our Montana composite decking takes its name from the American "Big Sky Country" of the same name. It comes with a hollow construction and with the option of a reversible smooth or grooved surface. Our most popular design is available in three colours and comes with matching railings and accessories.

Board Dimensions: 135 x 25 x 3600mm
Board Coverage: 0.508m² (1m² = 1.97 boards)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ Matching Posts & Railings *Excluding Charcoal



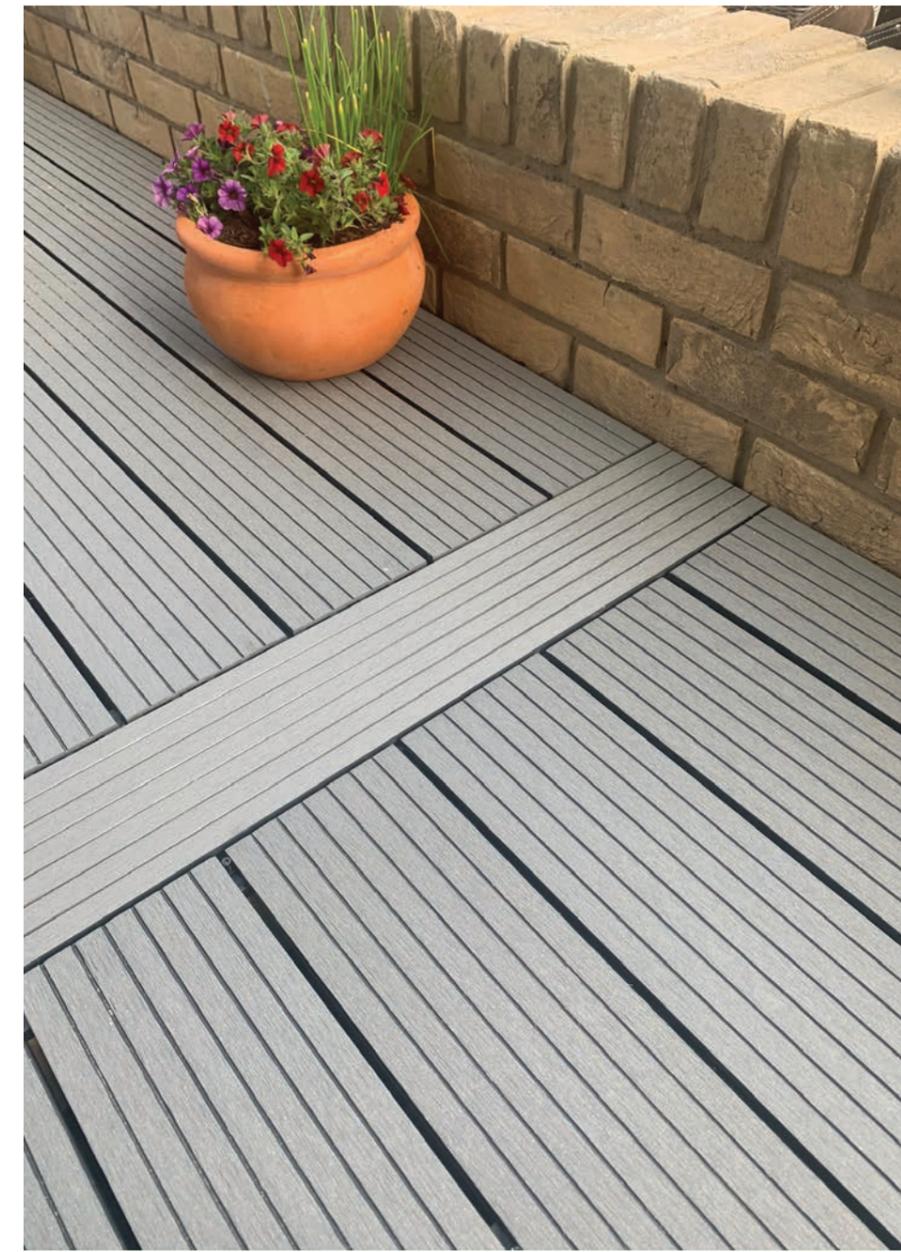
Montana Anthrazit



PORTLAND MONTANA WOODGRAIN ANTHRAZIT SMOOTH SIDE 135 X 25 X 3600MM



MONTANA SOFT GREY 135 X 25 X 3600MM



MONTANA SOFT GREY 135 X 25 X 3600MM



PORTLAND MONTANA FIRE RATED - BFL-S1

PORTLAND
10 YEAR LIMITED WARRANTY

Acc. to Whiteriver terms - see wrg.ie for full details.

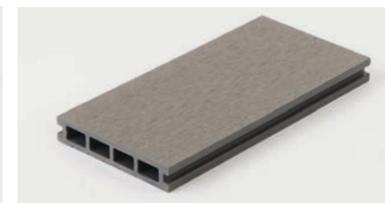


Available in: **Soft Grey, Anthrazit**

↔ Reversible Boards ↔



Rough Side



Smooth Side

Montana Soft Grey
135 x 25 x 3600mm
K1210080



Rough Side

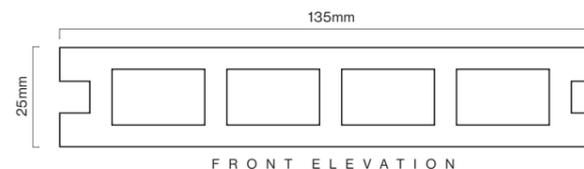


Smooth Side

Montana Anthrazit
135 x 25 x 3600mm
K1210075



View Online



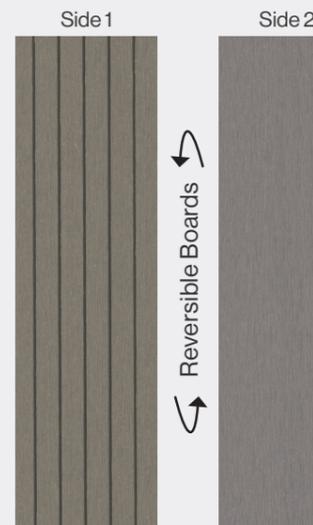
Montana Fire Rated

Our Fired Rated Portland Montana achieves a fire rating of BFL-S1 (EN 13501-1). This rating is higher than standard composite decking and provides better performance where there is a requirement to achieve a fire rating of BFL-S1. This rating may be requested for public areas. Our Portland decking is also CE Certified for fire.

Board Dimensions: 135 x 25 x 3600mm

Board Coverage: 0.508m² (1m² = 1.97 boards)

- ✓ Hidden Fixing System
- ✓ Fire Rated - BFL-S1



Montana Soft Grey



PORTLAND NEVADA SOLID

PORTLAND
10 YEAR LIMITED WARRANTY

Acc. to Whiteriver terms - see wrq.ie for full details.

Available in: **Soft Grey, Anthrazit**

↔ Reversible Boards ↔



Ribbed Side



Smooth Side

Nevada Soft Grey
140 x 25 x 3600mm
K1210080



Ribbed Side

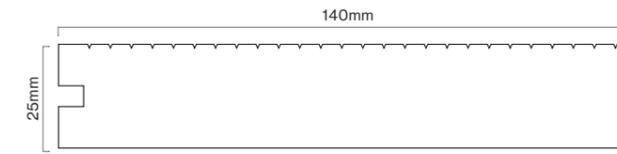


Smooth Side

Nevada Anthrazit
140 x 25 x 3600mm
K1210075



View Online



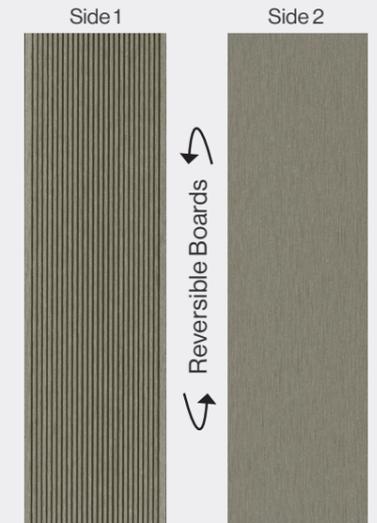
FRONT ELEVATION

Portland Nevada

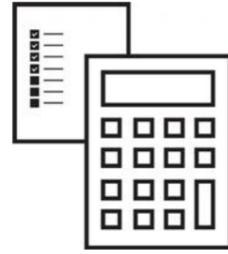
Known as the "Battle Born State", Nevada Composite Decking deservedly gets its name from this beautiful, awe inspiring and diverse State. Tough and durable enough to withstand all types of harsh weather. Alluring texture with a contrasting grooved side or choice of a smooth sleek side.

Board Dimensions: 140 x 25 x 3600mm
Board Coverage: 0.522m² (1m² = 1.92 boards)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ Matching Posts & Railings



Nevada Soft Grey



Visit our
Composite Calculator
on wrg.ie

Need to calculate your area? We've got you covered.
Head on over to the Whiteriver website to access our Composite Decking calculator, by using the calculator you can make informed decisions for the quantity of product you require.



SCAN
to View Online or visit:
www.wrg.ie/decking-calculator/



Decking Calculator Estimator (No. of boards required)

Product	10m ²	12m ²	14m ²	16m ²	18m ²	20m ²	22m ²	24m ²	26m ²	28m ²	30m ²	32m ²	34m ²	36m ²	38m ²	40m ²	42m ²	44m ²	46m ²	48m ²	50m ²
Montana / Montana Woodgrain	20	24	28	32	35	39	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99
Nevada	19	23	27	31	35	38	42	46	50	54	58	61	65	69	73	77	81	84	88	92	96

Above excludes waste factor - 20 clips required per square metre.

NEVADA SOFT GREY SMOOTH SIDE 140 X 25 X 3600MM

Top Tips for Portland Decking Installation

Portland Decking

Here are ten top tips to use when installing your Portland Decking.

1. Careful Planning:

Before installation, thoroughly plan your deck's location, size, and purpose. Consider the layout, seating, tables, and factors like proximity to the house, ground level, and garden size.

2. Material Selection:

Choose the deck board that suits your preferences, ensuring it complements your house and garden.

3. Direction and Design:

Decide on the board direction, considering water drainage along the length of the boards and incorporating any necessary steps or handrails. Opt for a design that enhances your home's appearance.

4. Ventilation and Site Conditions:

Ensure good drainage and ventilation under the deck. Avoid direct contact between soil and deck boards. Consult an engineer if needed for advice on proper ground support.

5. Tools Required:

Gather necessary tools like tape measure, electric saw, level, square, drill, and safety goggles before starting the installation.

6. Proper Installation:

Follow precise guidelines for installing the decking, ensuring the correct clips, joists, and fixings are used as per the recommendations. This includes leaving adequate gaps for expansion and contraction.

7. Consideration for Climate Changes:

Account for the expansion and contraction of the composite material due to temperature and humidity changes. Allow for proper gaps between boards and at the ends.

8. Have a fall on the deck:

Deck boards cannot be installed flat. Always have a fall along the length of the board.

9. Professional Assistance:

If unsure or lacking experience, consider working with a professional contractor experienced in composite decking installations to achieve the best results.

10. Finishing:

Properly finish the edges, ensuring ventilation points and allowing for natural expansion and contraction of the boards.

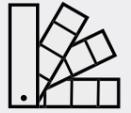


View Installation Instructions



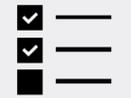
Choose your decking

Request free samples of Whiteriver Group's composite decking to see how they look and feel in your actual space.



Choose your colour

Modern, traditional, or something uniquely you? Browse Whiteriver Group's composite decking colors and textures for inspiration.



Don't forget the accessories

We offer finishing boards and convenient installation kits that include all the essential clips, fasteners, and screws you need.



Bring your project to life

Lock in your Whiteriver Group composite decking choices. Let the transformation begin! Watch your stunning, long-lasting deck come to life.

Finishing touches

Deck fascia boards provide the perfect finishing touch and create a smooth, streamlined look for your composite wood deck. Fascia boards create a band of wood bordering the deck just below the surface line to hide the joists underneath and elevate the overall appearance of the deck.

Naturally, for the most seamless, aesthetically pleasing look, as well as for durability and low-maintenance, you will want your fascia boards to be made of the same composite wood material as the rest of your deck, which is why Whiteriver is happy to offer fascia boards among our line of quality products.



NEVADA ANTHRAZIT WITH MATCHING POSTS & RAILS 140 X 25 X 3600MM

Note: Portland hand rail is only suitable for installation to a maximum of 600mm above ground level.

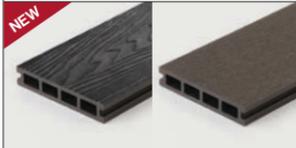
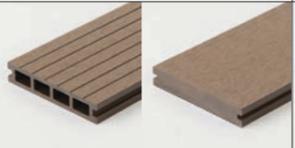
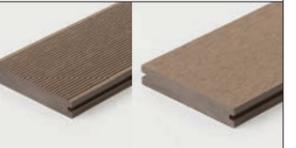
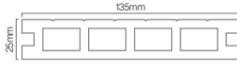
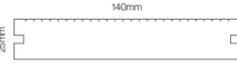


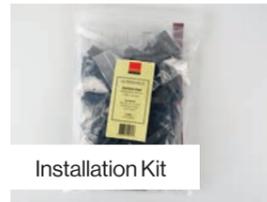
PORTLAND MONTANA CHARCOAL 135 X 25 X 3600MM



MONTANA SOFT GREY WITH MATCHING STAIR TREAD 140 X 25 X 3600MM

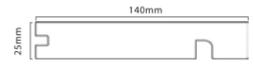
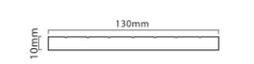
PORTLAND DECK BOARDS

Montana Woodgrain	Montana	Nevada
		
<i>see page 9</i> 	<i>see page 11</i> <i>*Montana fire rated option also available see page 15</i> 	<i>see page 17</i> 
135 x 25 x 3600mm	135 x 25 x 3600mm	140 x 25 x 3600mm



Coloured Screws
10 Per Pack With Screws:
Teak: K1410049
Silver Grey: K1410051
Walnut: K1410050
Antique: K1410052
Ebony: K1410204

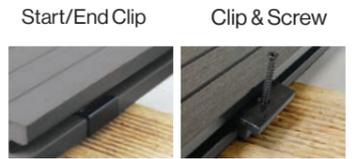
PORTLAND TRIM OPTIONS

Stair Tread	Fascia Solid Plank	Fascia Solid Plank	Corner Wrap	End Pieces - Montana
Smooth Finish Suitable for Montana & Nevada profiles only. Available in Soft Grey, Anthrazit, and Charcoal. Professional finishing edge board with concealed fixing ideal for steps and finishing deck perimeter.	Available in Soft Grey, Anthrazit, and Charcoal. Smooth board for a simple clean finish to hide structural framework.	Available in Anthrazit, Soft Grey and Charcoal. Smooth on one side and ribbed on the other for a simple clean finish to hide structural framework.	Available in Soft Grey, Anthrazit, and Charcoal. Finishing trim for corners and edges - we do not recommend these to be used for step edges. Corner wrap should be predrilled and fixed to the substructure - not the decking.	Available in Soft Grey, Anthrazit, and Charcoal. Used to blank off exposed board ends. Secure with outdoor silicone.
				
				
140 x 25 x 3600mm	140 x 25 x 3600mm	130 x 10 x 3600mm	40 x 40 x 3600mm	135 x 25mm (Montana)

Aluminium joists can be used with pedestals for raised decks - see page 60. *When planning your deck it is very important to consider ventilation and drainage under your deck.

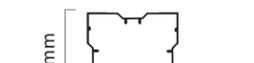
FIXING COMPONENTS

Timber Joist Installation Kit	Timber Joist Start/End Clip	Steel / Aluminium Joist Installation Kit	Steel / Aluminium Joist Start/End Clip	Steel / Aluminium Breaker Board Joist Installation Kit
Secret fixings for securing boards to joists.	For securing first and last rows.	Contains self tapping screws.	For securing first and last rows.	For securing Breaker Boards
				
Includes 50 Clips & Screws and 8 Locking Clips (Covers 2.5m ²)	25 per pack for first & last row	Includes 50 Clips & Screws and 8 Locking Clips (Covers 2.5m ²)	25 per pack for first & last row	25 per pack



One locking clip to be installed at the centre point of each board to control even expansion and contraction along the length of the board. The locking clip has teeth on one side to catch the board.

JOIST OPTIONS

Composite Joist	Aluminium Joist	Aluminium Double Joist	Joist Support	Joist Corner Bracket	Joist Joining Bracket
Generally for use on balconies where structural height is not possible. Ventilation and drainage need to be carefully considered for balcony installations. This joist is not load bearing. "MUST BE PREDRILLED"	Lightweight, strong and durable. Provides long lasting alternative to wooden joist.	This joist provides support and drainage channel where two board ends meet.	Stainless steel support for aluminium joists.	Stainless steel bracket for reinforcing corner joints on aluminium joist. <i>Pack of 4 with Tek screws</i>	Stainless steel bracket for joining aluminium joists. <i>Pack of 4 with Tek screws</i>
					
			Stainless Steel 362mm for 400mm centres with 38mm joist		
40 x 25 x 3000mm	38 x 38 x 3000mm	75 x 38 x 3000mm	362mm	50 x 50mm	100 x 25mm

Note: It is very important to provide ventilation to enter the underside of your deck when finishing off side trims. Do not close off fully.

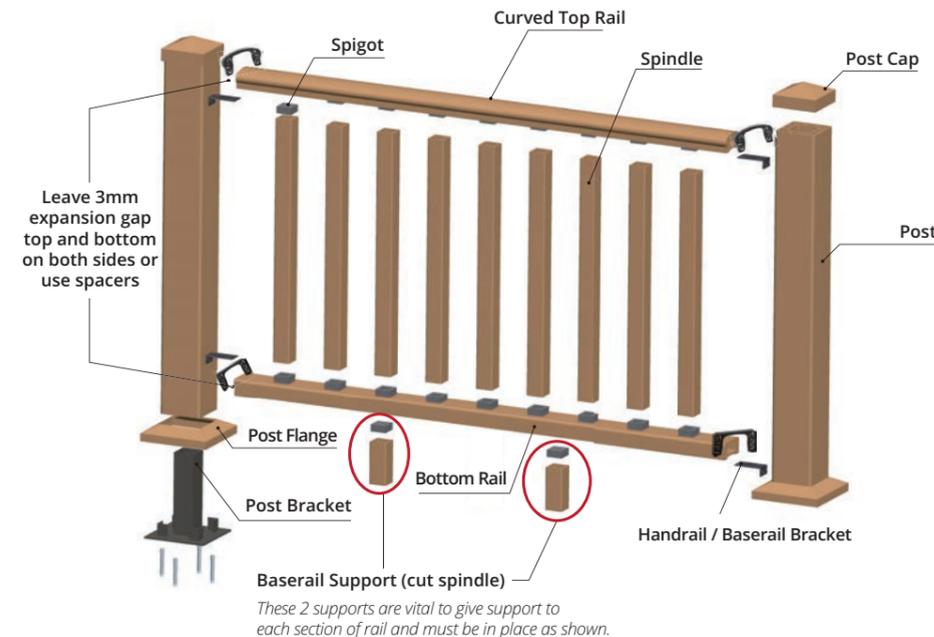
Portland Rail Components

Curved Handrail Curved Profile 100 x 50 x 1800mm	
Rectangular Base Rail/ Handrail Square Profile 90 x 45 x 1800mm Can also be used as contemporary handrail.	
Spindle Including Spigot & Screws 50 x 50 x 900mm	
Handrail/Baserail Bracket 10 Per Pack Secures rails to posts.	
Square Post Cap	
Post 120 x 120 x 1200/2400mm	
Post Flange Hides Post Bracket	
Post Support Bracket Must be fixed to substructure (Screws for fixing to sub-construction not included)	
Curved Handrail Spacers supplied free of charge with handrail	
Square Handrail/Baserail Spacers supplied free of charge with handrail Allows for natural expansion & contraction	

Available In:



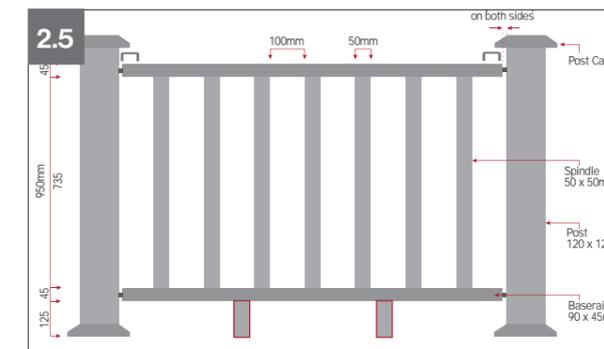
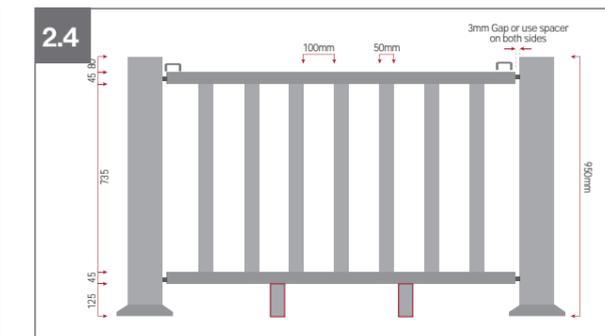
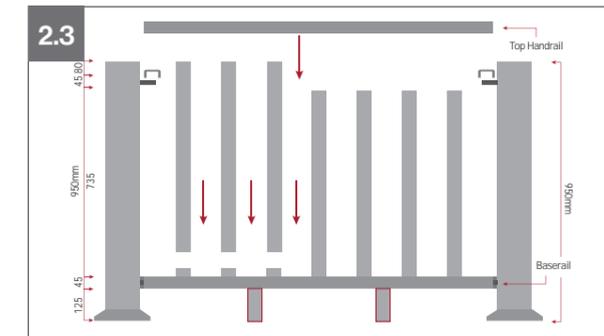
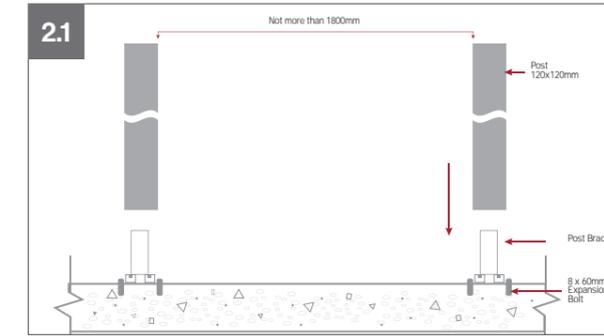
Portland Rail Installation



Note: Portland hand rail is only suitable for installation to a maximum of 600mm above ground level.

Portland Rail Installation

Note: It is important that composite material is pre-drilled prior to fixing screws into it.



Portland Rail Installation Guide

Step 1

As the diagram 2.1 shows, firstly use expansion bolts to fix the Post Bracket in the right position of measured posts on the concrete ground or in case of timber joists, use coach screws suitable for outdoor use. **The post bracket should be fixed to the sub-construction, not the decking.** We recommend that the spacing between two posts should be not more than 1800mm; this distance is based on the specific spacing between the spindles. The standard spacing between spindles is 100mm. Insert the posts into the Post Bracket, then using fixing screws, fix the posts through the holes of the angle iron on the Post Bracket.

Step 2

After fixing the posts, insert the post flange to the bottom of the posts; then mark the position for the top and bottom handrail on all posts. Fix the handrail bracket on the marked position on the post, just as diagram 2.2 shows. It is important to leave 3mm expansion or use spacers where rail meets the post. We recommend that the spacing between two posts should not be more than 1800mm.

Step 3

As diagram 2.3 shows: fix the spindle spigot on both the top and bottom handrail - the fixing spacing is based on the standard spindle spacing of 100mm. Install and fix the top and bottom handrail to the handrail bracket - base rail spacers should be interested between post and rail to allow for natural expansion & contraction. Use external grade silicone adhesive in the spigot to fix securely and avoid any spindle movement.

Step 4

Please install a minimum of 2 pieces of spindles below the bottom baserail as seen in the installation of spindles in diagram 2.4. These pieces must be spaced evenly to support the overall handrail section and avoid warping. **This is very important.**

Step 5

Install the post cap on top of the posts. This is to prevent water accumulating within. Now you are finished the installation of the post and handrail system. Please consult the finished drawing of post and handrail system as shown in diagram 2.5.

Note: Portland hand rail is only suitable for installation to a maximum of 600mm above ground level.



NewTechWood

ULTRASHIELD

Whiteriver

UltraShield Decking®

HIGHLY DURABLE COMPOSITE DECKING

UltraShield®



A True Game Changer For Composite Decking.

In 2010, our manufacturing partners began a project to design and formulate the most durable and attractive composite deck board in the industry.

A 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 fibre with an outer shell of polymer that completely encapsulates the board in an impermeable layer of protection that provides scratch, stain and fade resistance.

Why “Capping”?

Making the board capped 360 degrees gives the board maximum protection against: mould/mildew, stains, fading, cracking, cupping and swelling.

Capping 360 degrees provides complete protection all around the board and protects it from UV, water, insects and any other mould/mildew from attacking the core.

For technical data information, please consult our website - www.wrg.ie

A few **good** reasons to choose **Newtechwood UltraShield**



Made from 90% Recycled Materials.



Natural Timber Look & Feel.



Easy to Install.

ULTRASHIELD

25 YEAR LIMITED WARRANTY

According to Whiteriver terms See wrg.ie for full details.

1. Co-Extruded Cap

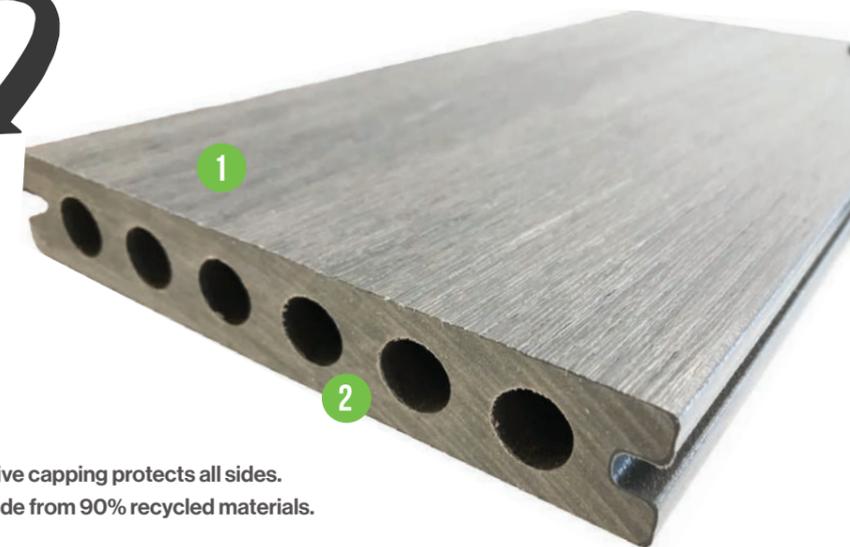
UltraShield is a capped composite, which means it has an advanced premium shield encasing ALL four sides around its inner core. The shield and core are extruded together under a very high temperature mould simultaneously, so there are no adhesives or chemicals that are harmful to the environment.

2. Composite Core

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



360° CAPPED protective polymer layer



- 1. Unique decorative capping protects all sides.
- 2. Strong core made from 90% recycled materials.



From **Subtle** to **Spectacular**: It's **Your** Choice!

From subtle hues to eye-catching accents, UltraShield's Naturale collection of colors and surface patterns delivers a palette of design options to create the customized look of Naturale wood that's perfect just for you.

Choose your look, assured of consistency of appearance from NewTechWood's collection, perfect for decking, siding, railings, and even fencing that washes clean when the work is done.

Durable, easy-to-install, low-maintenance solutions to all of your outdoor construction needs.

25 YEAR WARRANTY
15 YEAR WARRANTY

The UltraShield **Comprehensive Warranty**

Our UltraShield® decking is backed by the most comprehensive warranty in the industry. NewTechWood stands behind its products, backed by a **25-year** limited, transferable warranty.

Whiteriver **ULTRASHIELD**



Why Choose **UltraShield?**



Easy To Clean
MAINTENANCE



Built To Last
DURABILITY



Eco-Friendly
SUSTAINABILITY

The core is made from carefully selected recycled material and highly dense recycled hardwood and softwood fibres that allow for greater strength and durability, and best of all it is made from 90% recycled material.



UltraShield®

UltraShield is the new generation in composite decking. The decking is a capped wood plastic composite, which means it has an advanced premium shield encasing on all four sides around its inner core. This gives you a deck that has a protective covering, which gives each board an advanced blend of rich colour variation and high definition wood grain details.

Terrain



Board Dimensions: 140 x 25 x 3600mm
Board Coverage: 0.525m² (1m² = 1.90 boards)

Naturale



Board Dimensions: 138 x 23 x 3600mm
Board Coverage: 0.512m² (1m² = 1.95 boards)

Naturale Wide



Board Dimensions: 210 x 23 x 3600mm
Board Coverage: 0.744m² (1m² = 1.29 boards)

RAL Colour Chart

UltraShield	Cedar	Walnut	Teak	Antique	Silver Grey	Ebony	Pebble Grey	Old Mist	Earth Grey	Terra Umber
Closest Ral Number	1015	8014	8024	7030	7012	9005	7012	7030	7012	8024

Decking Calculator Estimator (No. of boards required)

Product	10m ²	12m ²	14m ²	16m ²	18m ²	20m ²	22m ²	24m ²	26m ²	28m ²	30m ²	32m ²	34m ²	36m ²	38m ²	40m ²	42m ²	44m ²	46m ²	48m ²	50m ²
UltraShield Terrain	19	23	27	31	35	38	42	46	50	54	58	61	65	69	73	77	81	84	88	92	96
UltraShield Naturale	20	23	27	31	35	39	43	47	51	55	59	62	66	70	74	78	82	85	90	94	98
UltraShield Naturale Wide Board	13	16	18	21	23	26	28	31	34	36	39	41	44	47	49	52	54	57	59	62	65



NEW UltraShield® Terrain

Available in: Earth Grey, Terra Umber.

↔ Reversible Boards ↔



ULTRASHIELD

15

YEAR LIMITED WARRANTY

According to Whiteriver terms
See wrg.ie for full details.



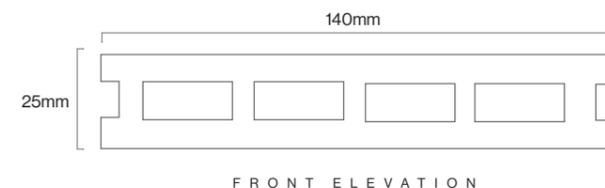
Earth Grey
140 x 25 x 3600mm
K1210260



Terra Umber
140 x 25 x 3600mm
K1210260



View Online



NEW

UltraShield Terrain

Our new Ultrashield Terrain composite deck board has all the familiar properties and advantages of our current Ultrashield Naturale board. The dimensions are slightly larger at 140mm x 25mm however the board length remains our standard 3600mm. It is available in Earth Grey and Terra Umber colours. 138 x 10mm matching fascia boards also available.

Board Dimensions: 140 x 25 x 3600mm
Board Coverage: 0.525m² (1m² = 1.95 boards)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ 90% Recycled Material



Terra Umber



UltraShield® Naturale™

Available in: Teak, Silver Grey, Ebony, Cedar, Antique, Walnut.

Top Selling Range: The Professional Choice.

ULTRASHIELD
25 YEAR LIMITED WARRANTY

According to Whiteriver terms
See wrg.ie for full details.

↩ Reversible Boards ↪



Naturale Teak
138 x 23 x 3600mm
K1210021



Naturale Silver Grey
138 x 23 x 3600mm
K1210025



Naturale Ebony
138 x 23 x 3600mm
K1210040



Naturale Cedar
138 x 23 x 3600mm
K1210023



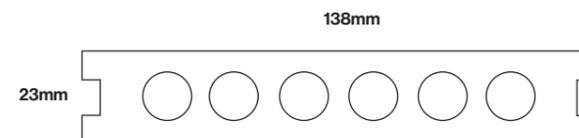
Naturale Antique
138 x 23 x 3600mm
K1210024



Naturale Walnut
138 x 23 x 3600mm
K1210022



View Online



Real Wood Look!

Ultrasield delivers a **natural** look that makes it industry leader.

UltraShield Naturale

Whiteriver UltraShield decking is a high performance, environmentally friendly alternative which offers the warmth and appeal of natural hardwoods in 6 deluxe colours: Silver Grey, Teak, Antique, Walnut, Ebony and Cedar. Whiteriver UltraShield will not splinter or crack, due to its protective shield, making your deck safer for bare feet, small children and pets.

Board Dimensions: 138 x 23 x 3600mm
Board Coverage: 0.512m² (1m² = 1.95 boards)

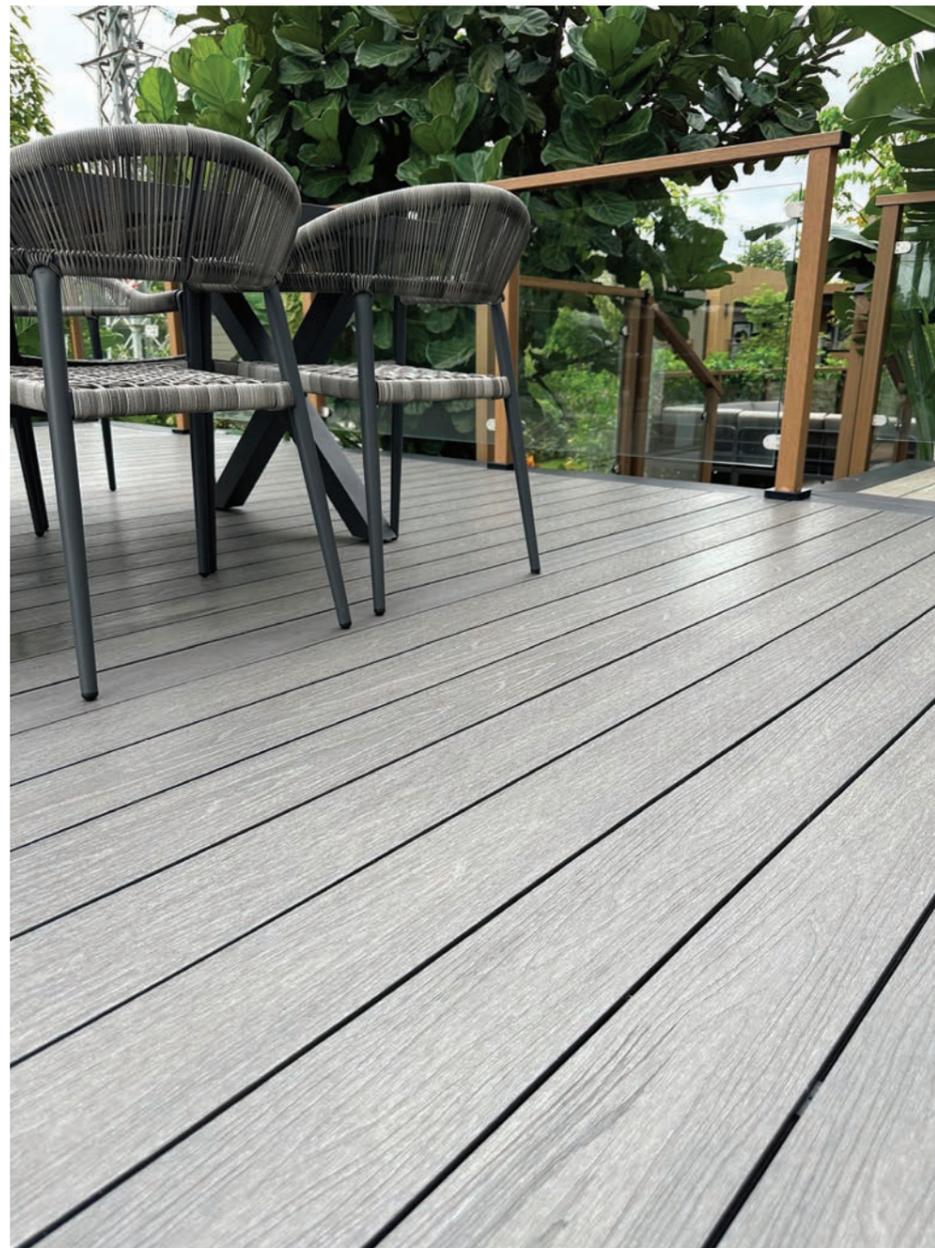
- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ 90% Recycled Material



Antique

Note: Due to the production process for Ultrasield decking board widths can vary slightly. Boards widths should be measured and matched accordingly







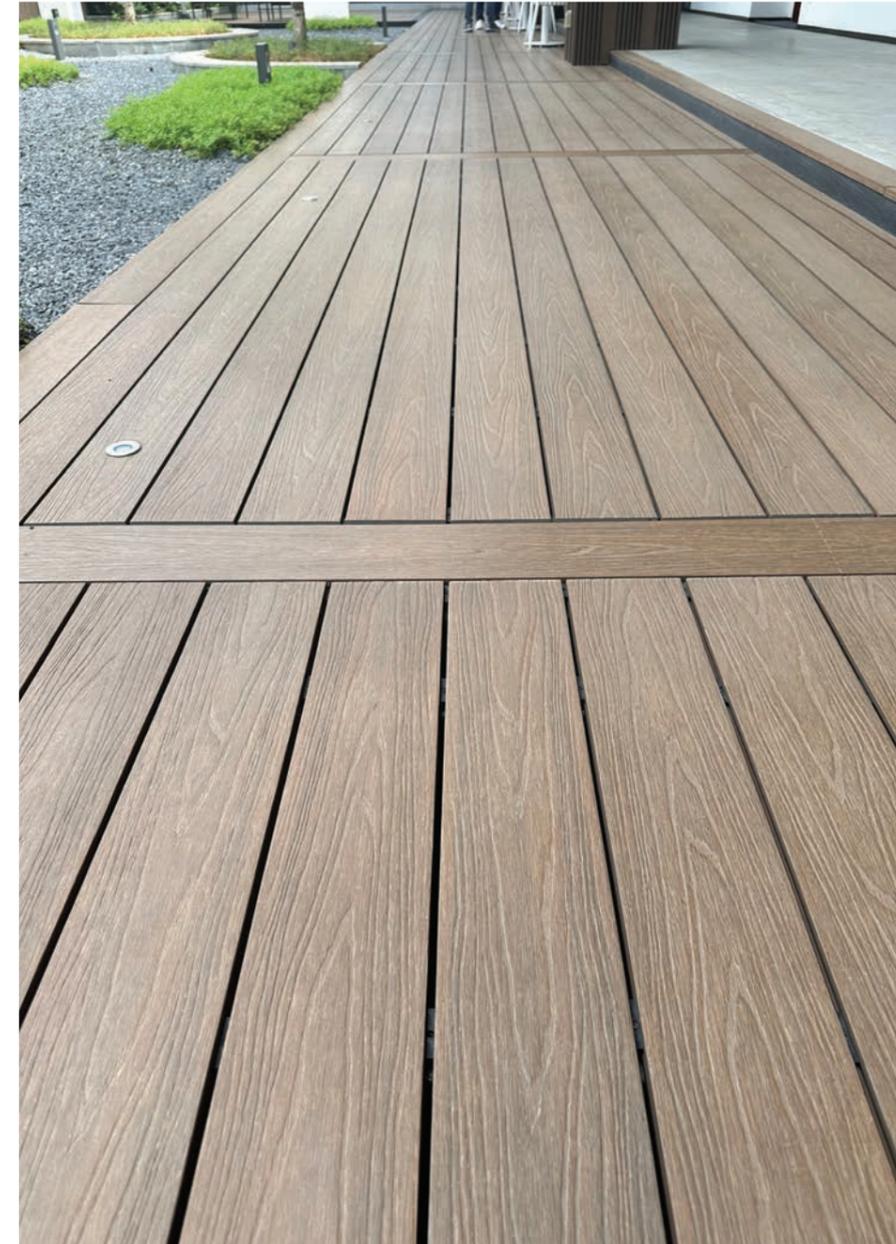
ULTRASHIELD NATURALE ANTIQUE 138 X 23 X 3600MM



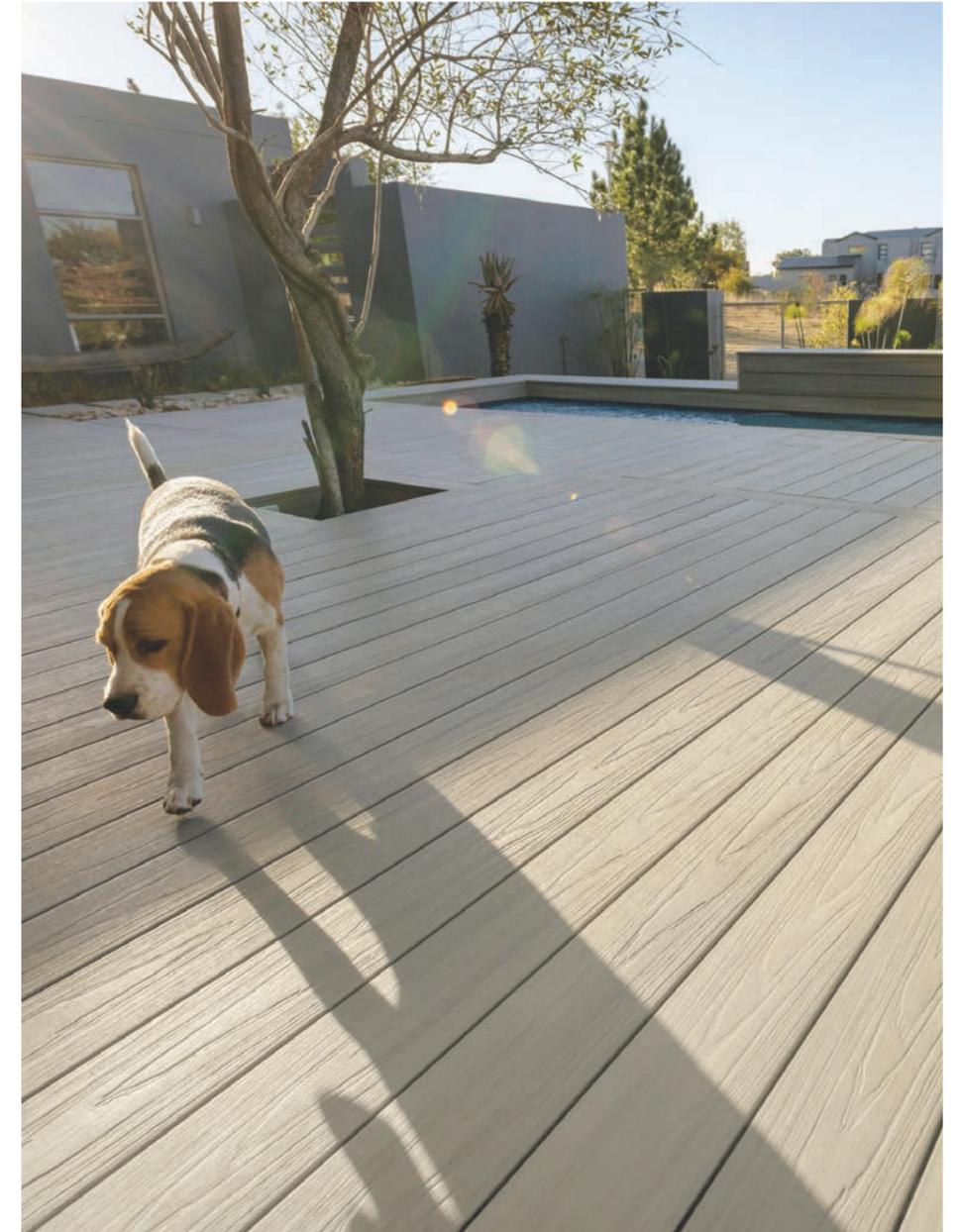
ULTRASHIELD NATURALE SILVER GREY 138 X 23 X 3600MM



ULTRASHIELD NATURALE CEDAR 138 X 23 X 3600MM



ULTRASHIELD NATURALE TEAK 138 X 23 X 3600MM



ULTRASHIELD NATURALE CEDAR 138 X 23 X 3600MM



UltraShield® Naturale™ Wide Board

ULTRASHIELD
25 YEAR LIMITED WARRANTY

According to Whiteriver terms
See wrg.ie for full details.

Available in: **Old Mist, Pebble Grey.**

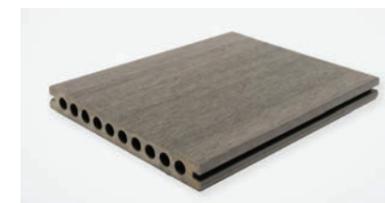
↔ Reversible Boards ↔

Real Wood Look!

UltraShield delivers a **natural** look that makes it industry leader.



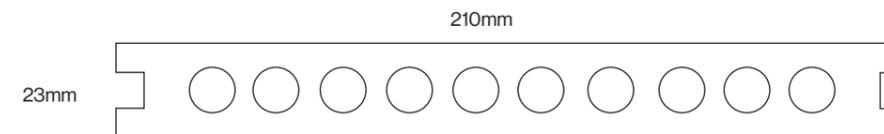
Old Mist Wide
210 x 23 x 3600mm
K1210033



Pebble Grey Wide
210 x 23 x 3600mm
K1210032



View Online



Naturale Wide

The UltraShield Naturale Wide Board presents a remarkable expansion on the high-performance attributes of its standard-width counterpart. With a widened profile, it offers an amplified sense of space, transforming any deck into a sprawling expanse of elegance and luxury. Available in a timeless "Old Mist" or a contemporary "Pebble Grey" colours.

Board Dimensions: 210 x 23 x 3600mm
Board Coverage: 0.774m² (1m² = 1.29 boards)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ 90% Recycled Material
- ✓ Extra Wide Design



Pebble Grey

Note: Due to the production process for UltraShield decking board widths can vary slightly. Boards widths should be measured and matched accordingly



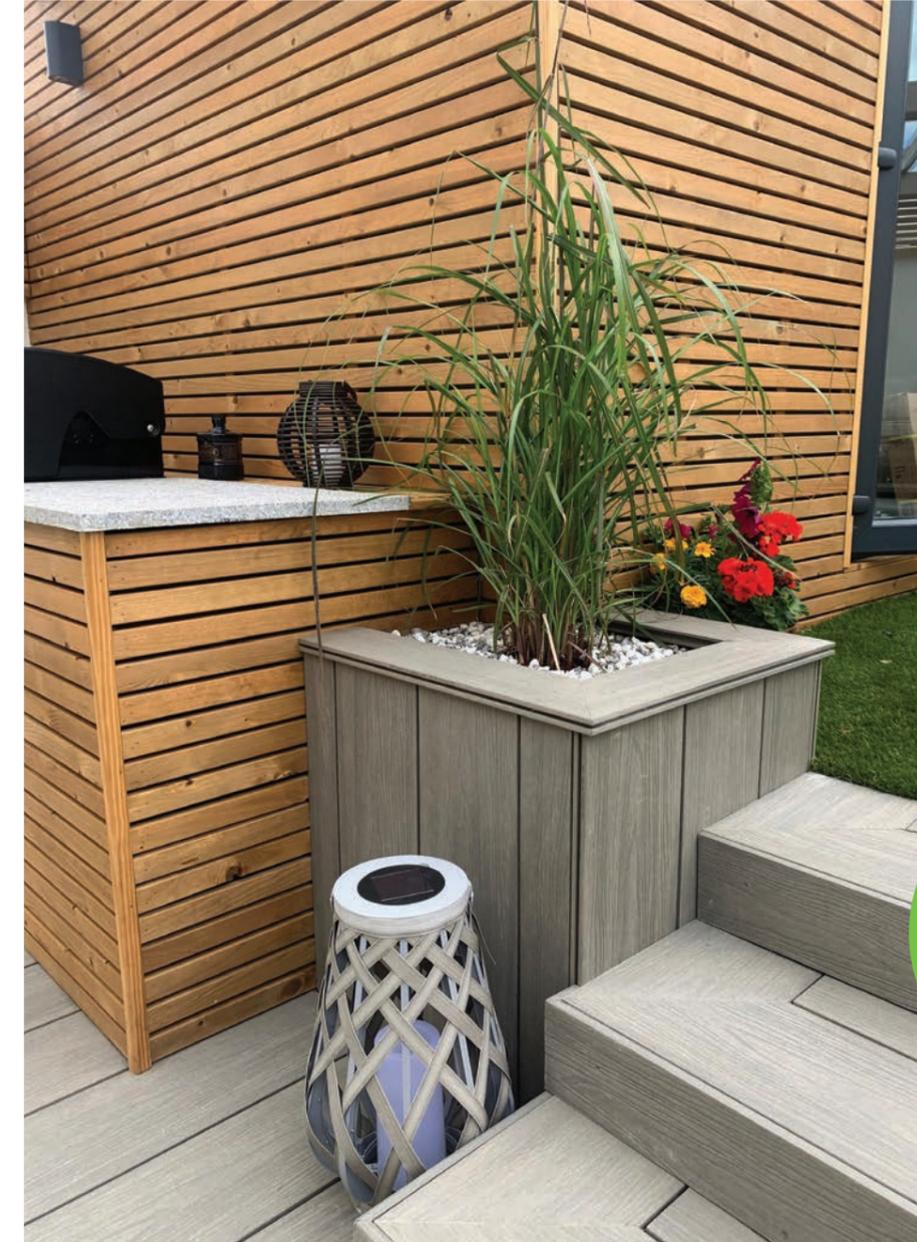
ULTRASHIELD NATURALE WIDE PEBBLE GREY 210 X 23 X 3600MM

Extra-Wide

The UltraShield Naturele Wide board differentiates itself from our regular UltraShield decking products due to its incredible width. At a total of 210mm wide per board, UltraShield Wide will truly stand out once installed. Despite its extra width, the engineering of the product remains state of the art and retains its intuitive installation methods.

Did you know:

The core of all UltraShield products are made from carefully selected recycled material and highly dense recycled hardwood and softwood fibres that allow for greater strength and durability, and best of all it is made from 90% recycled material.



ULTRASHIELD NATURALE WIDE BOARD OLD MIST 210 X 23 X 3600MM

Board Width Comparison



This is a visual example of the scale difference.



ULTRASHIELD NATURALE WIDE BOARD OLD MIST 210 X 23 X 3600MM



ULTRASHIELD NATURALE WIDE OLD MIST 210 X 23 X 3600MM



Top Tips for UltraShield Decking Installation

UltraShield Decking

Here are ten top tips to use when installing your UltraShield Decking.

1. Thorough Planning:

Carefully consider the deck's purpose, location, size, board type, direction, and design elements before starting the installation. Ensure the deck layout accounts for the length of the boards (3600mm) to avoid very short end boards.

2. Appropriate Tools:

Gather essential tools such as a tape measure, electric saw, level, square, cordless drill, drill bits, building line, and safety goggles to facilitate the installation process.

3. Mindful Design for Drainage:

Plan for a 1.66% (1:60 fall) to enable water drainage along the deck boards. Avoid installing the decking completely flat.

4. Ventilation and Substructure:

Ensure good ventilation under the deck, using crisscross joist layers or plastic pedestals for air movement. Avoid installing directly onto a flat surface; provide adequate space for air circulation to prevent excessive water absorption.

5. Expansion Gaps:

Leave a 10mm perimeter gap around fixed objects and a 5mm gap at each short board end to accommodate seasonal board movements due to temperature and humidity changes.

6. Quality Material and Fastening:

Use recommended joists, steel installation kits for steel/aluminum joists, and locking clips to secure boards properly. Always pre-drill before fixing screws.

7. Board Handling:

Acclimatize boards to the environment for three days before installation. Store boards flat on solid surfaces and avoid face fixing hollow boards.

8. Adherence to Specifications:

Ensure proper joist spacing per instructions to maintain stability and avoid warping or cracking.

9. Finishing and Protection:

Use solid fascia planks for a clean finish, pre-drill fascia boards before fixing, and leave a minimum gap between the bottom of the fascia and the ground for ventilation.



[View Installation Instructions](#)



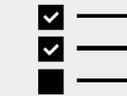
Choose your decking

Request free samples of Whiteriver Group's composite decking to see how they look and feel in your actual space.



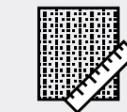
Choose your colour

Modern, traditional, or something uniquely you? Browse Whiteriver Group's composite decking colors and textures for inspiration.



Don't forget the accessories

We offer finishing boards and convenient installation kits that include all the essential clips, fasteners, and screws you need.



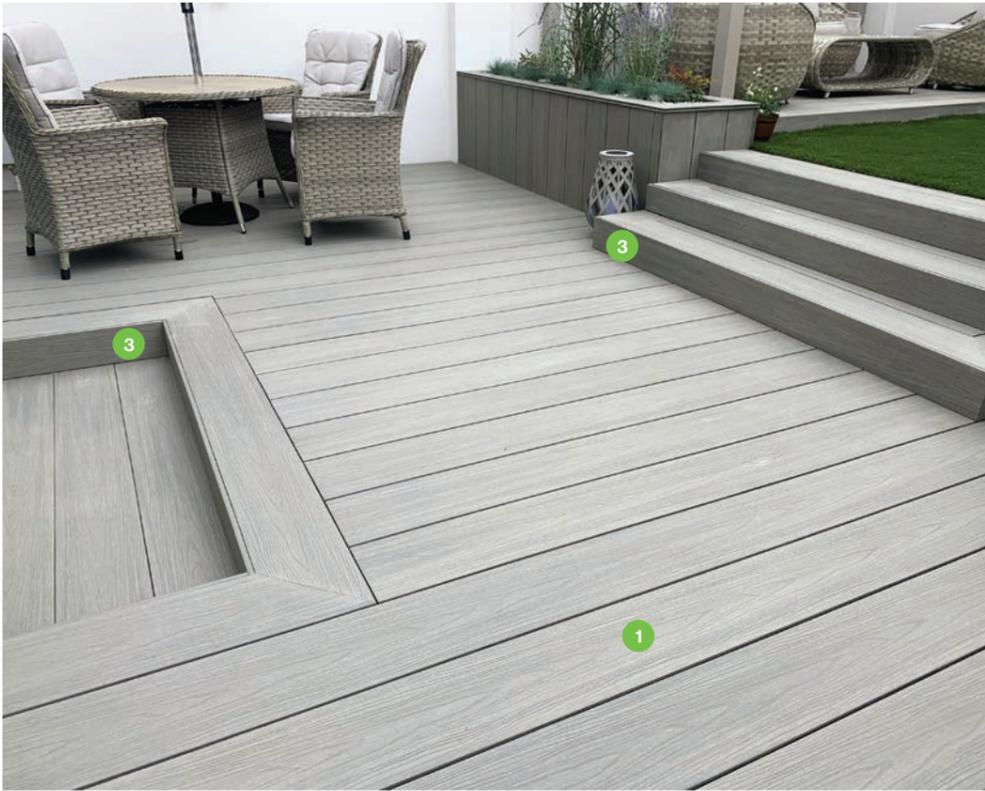
Bring your project to life

Lock in your Whiteriver Group composite decking choices. Let the transformation begin! Watch your stunning, long-lasting deck come to life.

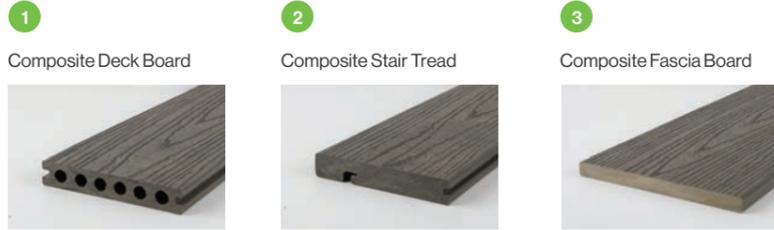
Finishing Touches

Deck fascia boards provide the perfect finishing touch and create a smooth, streamlined look for your composite wood deck. Fascia boards create a band of wood bordering the deck just below the surface line to hide the joists underneath and elevate the overall appearance of the deck.

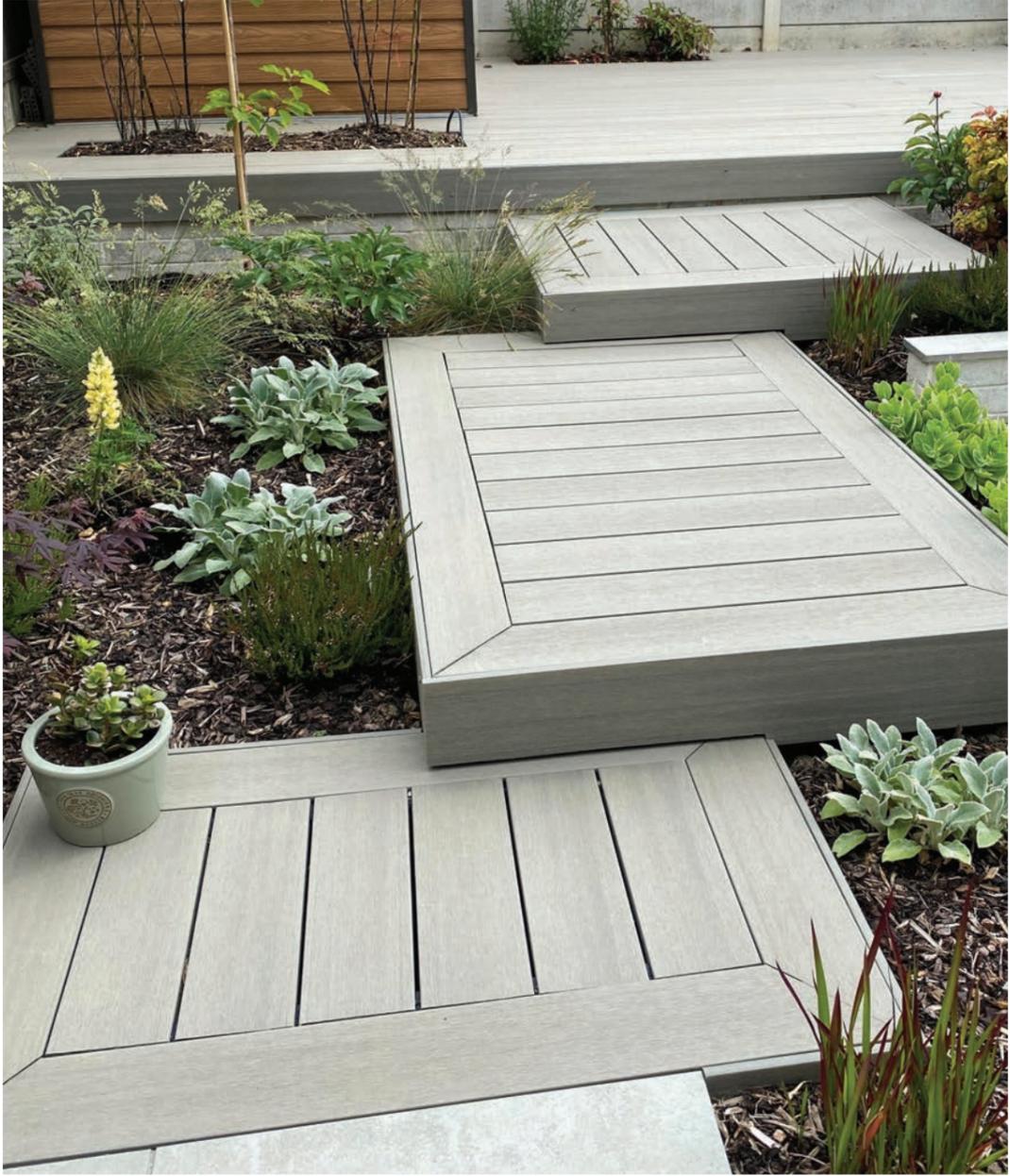
Naturally, for the most seamless and aesthetically-pleasing look, as well as for durability and low-maintenance, you will want your fascia boards to be made of the same composite wood material as the rest of your deck, which is why Whiteriver is pleased to include fascia boards in our line of quality products.



50 ULTRASHIELD ANTIQUE 138 X 23 X 3600MM



ULTRASHIELD ANTIQUE 138 X 23 X 3600MM

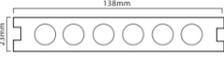
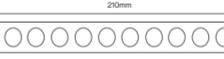


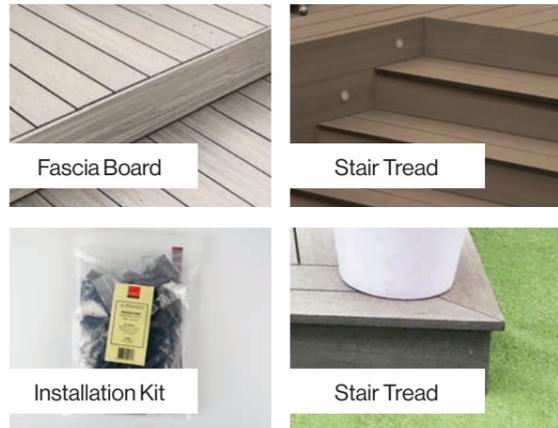
ULTRASHIELD ANTIQUE 138 X 23 X 3600MM



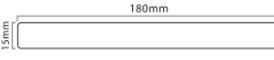
ULTRASHIELD ANTIQUE 138 X 23 X 3600MM

ULTRASHIELD DECK BOARDS

UltraShield Terrain	UltraShield Naturale	UltraShield Naturale Wide
		
see page 31 	see page 33 	see page 43 
140 x 25 x 3600mm	138 x 23 x 3600mm	210 x 23 x 3600mm



ULTRASHIELD TRIM OPTIONS

Stair Tread	Fascia Solid Plank	Fascia Solid Plank	Corner Wrap	End Pieces
(UltraShield Naturale) Professional finishing edge board with concealed fixing ideal for steps and finishing deck perimeter.	(UltraShield Naturale) Smooth board for a simple clean finish to hide structural framework.	(UltraShield Terrain) Smooth board for a simple clean finish to hide structural framework.	Finishing trim for corners and edges - we do not recommend these to be used for step edges. Corner wrap should be predrilled and fixed to the substructure - not the decking.	Used for sealing and finishing exposed board ends - secure with outdoor silicone sealant.
				
				
138 x 23 x 3600mm	180 x 15 x 3600mm	138 x 10 x 3600mm	40 x 40 x 3600mm	138 x 23mm 210 x 23mm



Coloured Screws
10 Per Pack With Screws:

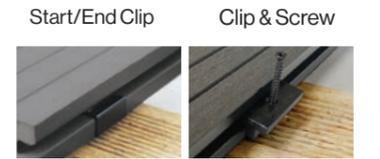
- Teak: K1410049
- Silver Grey: K1410051
- Walnut: K1410050
- Antique: K1410052
- Ebony: K1410204

PREDRILL COUNTER SUNK SCREW HOLES



FIXING COMPONENTS

Timber Joist Installation Kit	Timber Joist Installation Kit	Steel / Aluminium Joist Installation Kit	Steel / Aluminium Joist Installation Kit	Steel / Aluminium Joist Installation Kit
Secret fixings for securing boards to joists.	For securing first and last rows.	Contains self tapping screws.	For securing first and last rows.	For securing Breaker Boards
				
Includes 50 Clips & Screws and 8 Locking Clips (Covers 2.5m ²)	25 per pack for first & last row	Includes 50 Clips & Screws and 8 Locking Clips (Covers 2.5m ²)	25 per pack for first & last row	25 per pack

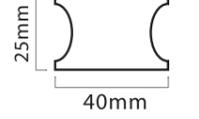
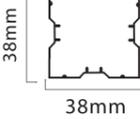
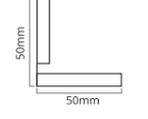
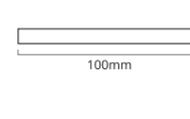


Locking Clip



One locking clip to be installed at the centre point of each board to control even expansion and contraction along the length of the board. The locking clip has teeth on one side to catch the board.

JOIST OPTIONS

Composite Joist	Aluminium Joist	Aluminium Double Joist	Joist Support	Joist Corner Bracket	Joist Joining Bracket
Generally for use on balconies where structural height is not possible. Ventilation and drainage need to be carefully considered for balcony installations. This joist is not load bearing. "MUST BE PREDRILLED"	Lightweight, strong and durable. Provides long lasting alternative to wooden joist.	This joist provides support and drainage channel where two board ends meet.	Stainless steel support for aluminium joists.	Stainless steel bracket for reinforcing corner joints on aluminium joist. Pack of 4 with Tek screws	Stainless steel bracket for joining aluminium joists. Pack of 4 with Tek screws
					
			Stainless Steel 362mm for 400mm centres with 38mm joist		
40 x 25 x 3000mm	38 x 38 x 3000mm	75 x 38 x 3000mm	362mm	50 x 50mm	100 x 25mm

Aluminium joists can be used with pedestals for raised decks - see page 60. *When planning your deck it is very important to consider ventilation and drainage under your deck.



NewTechWood

ULTRASHIELD

Whiteriver

Aluminium Railing

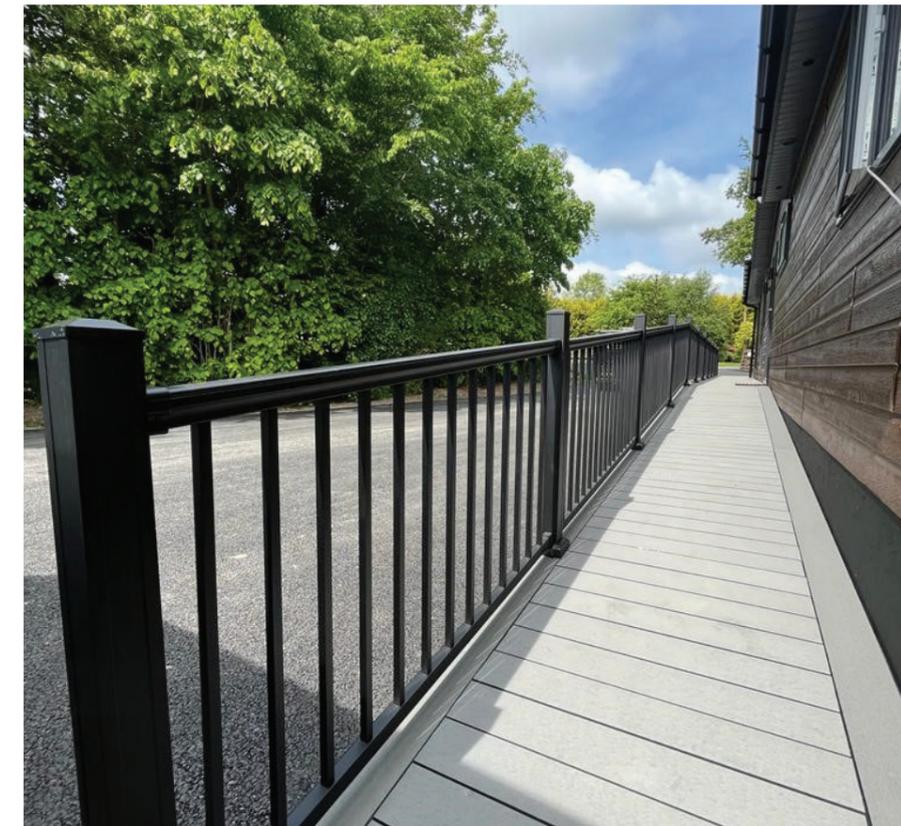
STURDY AND FAST TO INSTALL

Aluminium Hand Rail System

AVAILABLE IN BLACK AND WHITE

Aluminium railing is known for its strength, durability and beauty. More and more homeowners these days are choosing Aluminium railing over traditional wood railing for its low-maintenance benefits.

Aluminium does not rot, warp, or crack and it never needs to be stained, sanded or painted. It's also an excellent choice for the environment, as it's 100% recyclable and no harmful chemicals are required to treat or maintain it.



WHY CHOOSE ALUMINIUM HANDRAIL SYSTEM?

There are several reasons why Ultrashield Aluminium deck railing is an excellent idea for your deck:

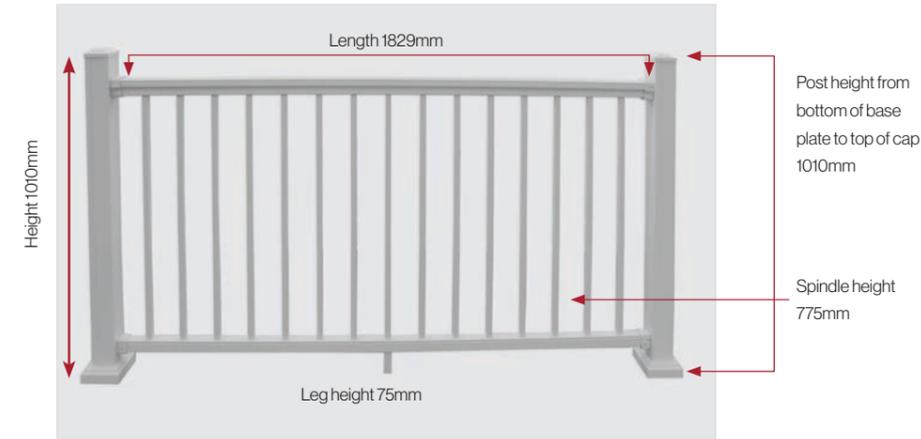
- Quick assembly:** The rails come pre assembled which reduces installation time.
- Quality appearance:** A deck railing in traditional black or white colour will give your deck a more complete and upmarket look you are sure to love.
- Colour finish:** The Aluminium railing has a high quality powder coated finish.



NOTE: The handrail can only be used at a maximum deck height of 600mm above ground level. Full installation instructions available at www.wrg.ie

Aluminium **White** Railing

Complete system with easy to use components



Pre-assembled for faster installation



Base Flange Covers Fixings

Rail Components

Pre-Assembled Straight Rail Section
1829mm Wide
Code: K1730001 White

Includes brackets to fix to post.

1010mm Post
1010mm
Code: K1730011 White

Includes cap & base flange.
Must be fixed to sub-construction.
Not directly to deck boards.
Fixings not included.

Top & Bottom Swivel Connectors.
Code: K1730051 White

Allows handrail to be installed at angle instead of straight installation. Contains 1 top & 1 bottom rail bracket.

Pre-Assembled Stair Rail Section
1829mm Long
Code: K1730006 White

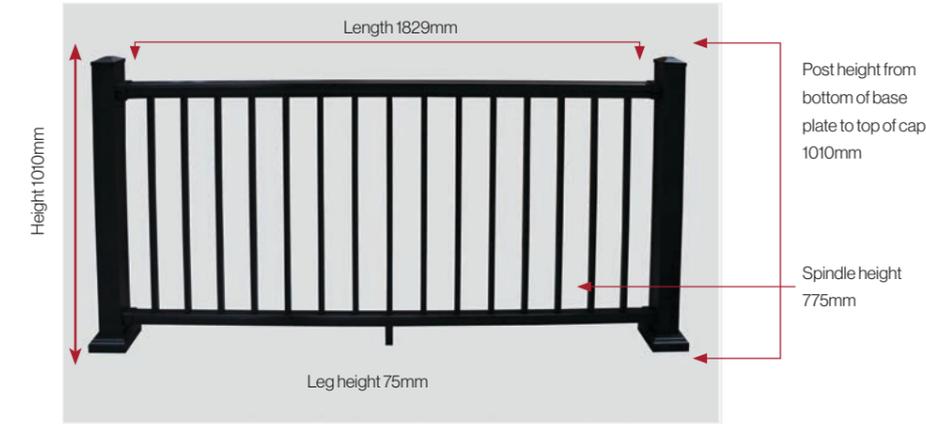
Spindles pivot between top & bottom rails to allow gradient adjustment. Includes adjustable swivel brackets to fix to post.



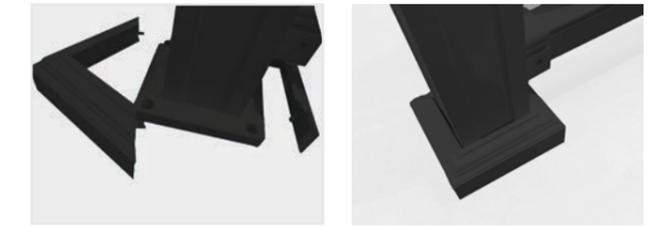
NOTE: The handrail can only be used at a maximum deck height of 600mm above ground level. Full installation instructions available at www.wrg.ie

Aluminium **Black** Railing

Complete system with easy to use components



Pre-assembled for faster installation



Base Flange Covers Fixings

Rail Components

Pre-Assembled Straight Rail Section
1829mm Wide
Code: K1710001 Black

Includes brackets to fix to post.

1010mm Post
1010mm
Code: K1710011 Black

Includes cap & base flange.
Must be fixed to sub-construction.
Not directly to deck boards.
Fixings not included.

Top & Bottom Swivel Connectors.
Code: K1710051 Black

Allows handrail to be installed at angle instead of straight installation. Contains 1 top & 1 bottom rail bracket.

Pre-Assembled Stair Rail Section
1829mm Long
Code: K1710006 Black

Spindles pivot between top & bottom rails to allow gradient adjustment. Includes adjustable swivel brackets to fix to post.



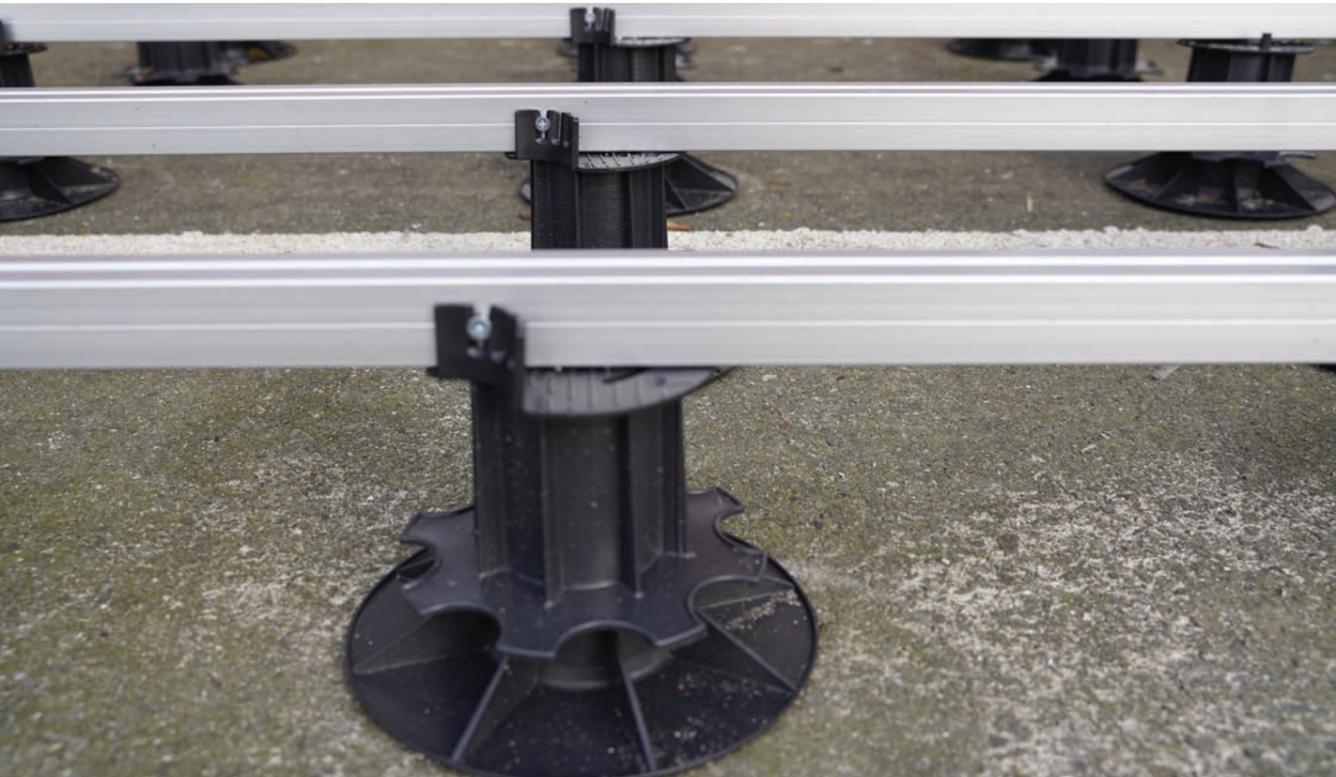
NOTE: The handrail can only be used at a maximum deck height of 600mm above ground level. Full installation instructions available at www.wrg.ie

PEDESTALS

BY WHITERIVER

Pedestals offer great flexibility for installation and can be used for decking and paving. They are especially helpful where the installation is close to ground level, pedestals can be used for build ups from 17mm up to 1000mm.

Please note that for composite decking we recommend the installation be at least 100mm above ground level. Pedestals also provide for good air movement under a deck provided ventilation points are installed.



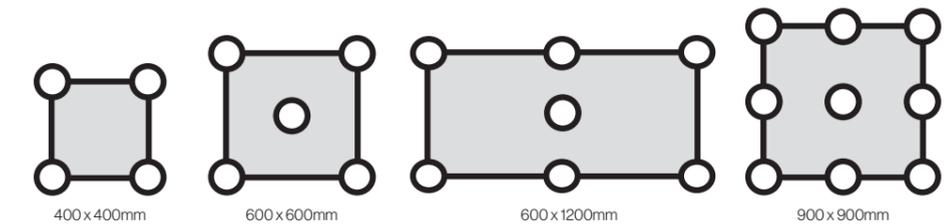
Aluminium Joist can be used with corner bracket to cross support and stabilise the framework.



SOLIDOR are a European manufacturer of high quality pedestals for decking and concrete paving. The pedestals can be continuously adjusted in height from 17mm to 1000mm. The durability of the plastic and the solidity of the construction guarantee a smooth installation in all circumstances, and an unprecedented supporting power.

- 
 Made From Recycled Material
- 
 Weatherproof
- 
 Temperature Resistant between -25 / +70°C
- 
 Certificates CSTC / CSTC No., DE, ATA
- 
 Load Bearing 800kg per Pedestal
- 
 PP Compound

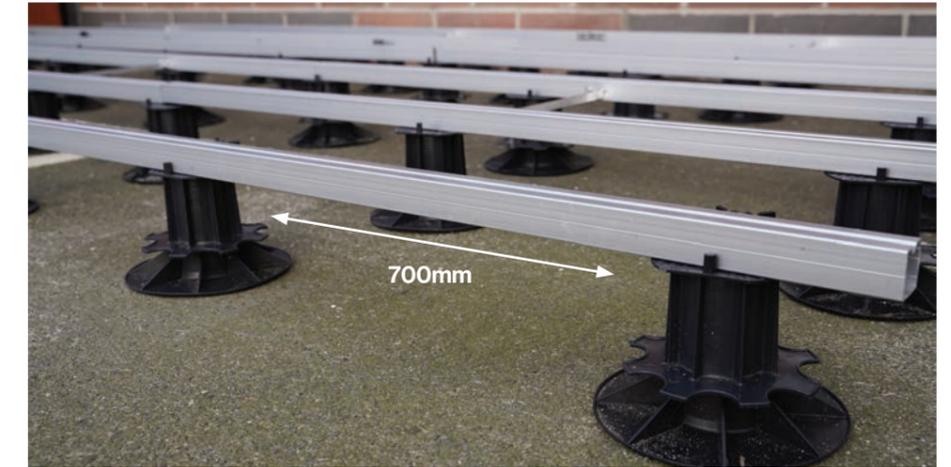
CAN ALSO BE USED FOR PAVING COVERAGE GUIDE



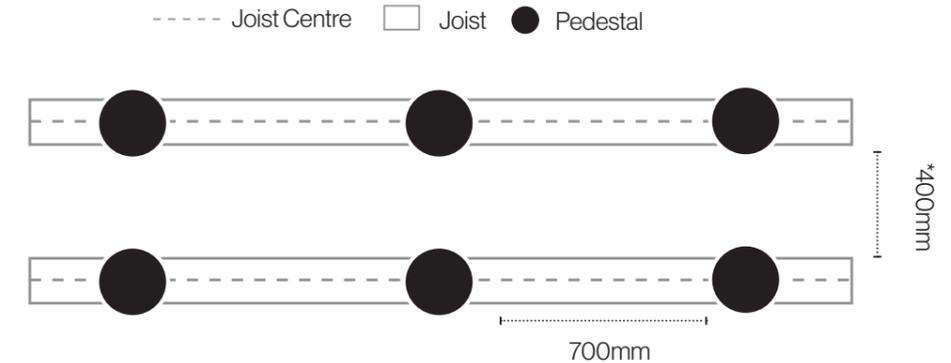
Paving pedestals are recommended for slabs with a minimum size of 400x400mm, in accordance with the instructions of the paving manufacturer.

Paving formats larger than 600x600mm will need an extra pedestal in the centre of the slab, please seek advice from your paving manufacturer as this will vary depending on thickness and overall strength of each paving slab.

Decking Coverage Guide



Spacing depends on joist strengths. 700mm spacing shown is for Whiteriver 38mm Aluminium Joists.



Based on the above diagrams, we recommend approx. 6.0 pedestals per m2

Pedestal spacing can be from 500mm to 1000mm along the joist length, however this depends on the application and joist strength. Whiteriver Aluminium joist can be used at 700mm Pedestal Spacing.

Standard Pedestal Solutions - System 1

STEP 1

Once you know your height required, pick your base. It may be a case that you need a mixture of pedestal bases, if there are different heights within your project.

NEW

23MM - 35MM Adjustable Pedestal Base	35MM - 50MM Adjustable Pedestal Base	50MM - 80MM Adjustable Pedestal Base	80MM - 110MM Adjustable Pedestal Base	110MM - 140MM Adjustable Pedestal Base	140MM - 170MM Adjustable Pedestal Base	35MM - 50MM Adjustable Pedestal Base <i>For use against wall</i>	50MM - 80MM Adjustable Pedestal Base <i>For use against wall</i>
PV 2.3/3.5 Price Excludes Support Plate	PV 3.5/5 Price Excludes Support Plate	PV 5/8 Price Excludes Support Plate	PV 8/11 Price Excludes Support Plate	PV 11/14 Price Excludes Support Plate	PV 14/17 Price Excludes Support Plate	AK 3.5/5 Price Excludes Support Plate	PV 5/8 Price Excludes Support Plate
K1420038	K1420016	K1420017	K1420018	K1420019	K1420020	K1420021	K1420022

STEP 2

Pick the plate to go on top of your base. CPV+ is for timber and aluminium joists.

Joist Support Plate With Side Fixing	Flat Support Plate Without Guide	Paving Support Plate
CPV+ Max Joist Width 78mm	CO For Additional Support Where Required	C3/4T Paving Support Plate With 3mm Spacers
K1420026	K1420006	K1420007

STEP 3

Consider if any accessories are needed. Most common are extension pieces. Extension pieces can be used to bring pedestals up to 1m.

Friction Pad For Top of Pedestal	30mm Pedestal Extension Piece	100mm Pedestal Extension Piece	210 x 210 x 3mm Protection Pad For Under Pedestal	Slope Corrector
2mm Friction Pad For use with Paving Support Plate	F30 Max Height 8 Per Pedestal	AF100 Max Height 10 Per Pedestal	Protection Pad For Surface, Sound, & Shock Absorbing Protection. Can Also Be Used As Shim For Levelling.	HS2 Reduces Inclination Differen- ces from 2% to 10% by Stacking Under Pedestal.
K1420010	K1420023	K1420009	K1420025	K1420015

Low Height Pedestal Solutions - System 2

STEP 1

Select an adjustable base 17mm to 23mm. Especially for low height build up.

17-23MM Adjustable Pedestal Base
P17 Price Excludes Support Plate
K1420027

Our Premium low height range allows you to raise joists by as little as 17mm for an ultra low secure base for your project. The 3mm, 5mm & 10mm small rubber pads, can be used to support joists where the height requirement is < 17mm. **Note:** always remember to deduct the joist thickness plus finish product thickness from overall finished height required. For composite decking we recommend 100mm air space under the boards.*

Please note that standard pedestal support plate does not fit the P17 Premium Pedestal. Likewise, they are not compatible with AF100 or F30 extension pieces.

*For low height build up please seek advice.



Low pedestal solutions.

STEP 2

Pick the plate to go on top of your base. C2V+ is for timber and aluminium joists.

C2V+ Joist Support Plate	C4T Premium Paving Support Plate
C2V+ Max Joist Width 90mm	C4T Paving Support Plate with 3mm Spacers
K1420028	K1420029

STEP 3

Consider if any accessories are needed. Most common are extension pieces, and joist support pads.

5MM Extension Piece	96mm x 96mm Joist Support Pad
S5 Max Height 2 Per Pedestal	Use directly under joists to build up heights <17mm
K1420030	3MM - K1420031 5MM - K1420032 10MM - K1420033



Pedestals give great flexibility for installations and make it easy to allow decking and paving to be installed easily in the same area.

Whiteriver Aluminium Joist System

Step 1 - Understand the spacing's required for the finished product going on top. For composite decking in residential setting using our 38mm aluminium joist, the spacing for the aluminium joist will be 400mm centres and the pedestal spacing will be 700mm.

Step 2 - Remember when planning to take account of the direction you want the boards to run, the board length and finishing look around the perimeter. Composite decking requires a fall of 1.66% (1:60 fall) for water to drain off the boards.

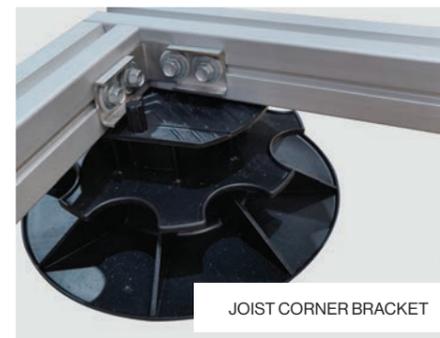
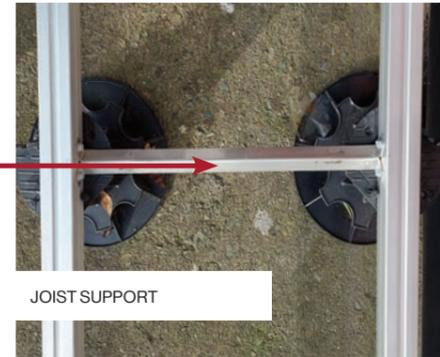
Step 3 - Building the frame for your composite decking – Set out pedestals and joist per above. Each pedestal should be screw fixed to the aluminium joist. Joiner brackets should be used where aluminium joists meet – leave a 4mm gap for expansion and drainage. Stabilisation joist supports can be used on outer frames; note it is not necessary to do these on every row.

Step 4 - Double Aluminium joist can be used where board ends meet. The wide joist allows each board to be fixed with its own clip and any water can drain in the U shaped channel. Double joists can be used to create breaker boards.

Step 5 - Finishing perimeter – Corner brackets can be used with the aluminium joist to create a side frame. Remember to provide for ventilation underneath your deck. Please look at the vents we offer.

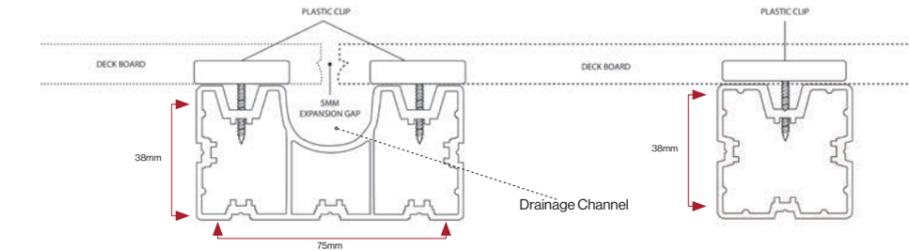
Step 6 - All screw fixings for aluminium can be predrilling. For ease of installation we recommend tek screws and tek screw driver which are available from most Hardware stores. Aluminium can be pre drilled to make it easier for installing the tek screws.

Please refer to www.wrg.ie for our full installation guidelines for composite decking.



Whiteriver Single & Double Aluminium Joist System

Double Aluminium Joist provides for **rain water** run off at board end



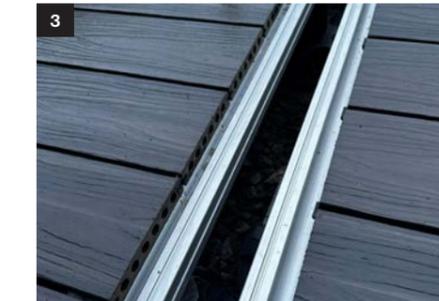
- 1 The Aluminium double joist should be used where two board ends meet. Can also be used for a Breaker Board.
- 2 The double joist provides stability for the fixing clips.
- 3 Remember to leave 5mm expansion gap.
- 4 The main reason for using the double joist is that it helps prevent moisture soaking into the board ends.
- 5 In a normal installation format, **you need approx. 20-25% of your joists to be double joists.***
- 6 It is very important to leave 5mm gap at joist ends so water can drain away freely.

NOTE: 25mm x 5mm Stainless Steel Tek Screws need to be sourced separately for fixing plastic pedestal and aluminium joists together. We recommend planning the location first of your double joist. *It is best to sketch out your deck layout and this will tell you clearly the number of double joists you need.

Breaker Board Installation



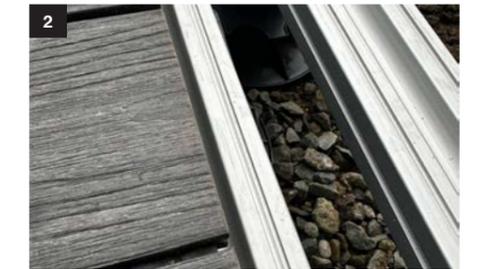
Cross support joists with aluminium 38mm Joist and corner brackets.



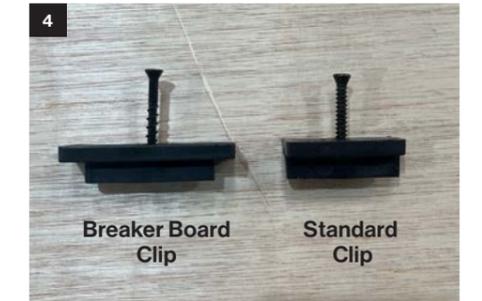
Deck is now ready for Breaker Board.



See how Breaker Board clip is installed.



Two Double Joists support Breaker Board. Boards are cut with plunge saw for clean line.



Use Breaker Board clips which are specially designed.



Fit board and fix clips. Breaker Board is now complete.

Deck Preparation

See full instructions on www.wrg.ie technical information before starting.

Planning Your Deck

Designing and building a deck can be a fun and a rewarding experience. You probably have given some thought as to what you want in a deck, now is the time to really visualise it. What will your deck be used for, relaxing, entertaining, will you put garden seating, BBQ, tables with a parasol on it and how many people might you have on your deck? Will there be children and elderly people using it?

These are the questions you need to look at before starting.

- (1) Where will I install the deck?
- (2) What size do I want the deck?
- (3) Which deck board do I like best?
- (4) Which direction should the boards run?
- (5) Which substructure will I use: Hardwood, *Steel or Aluminium joists?
*Steel / Aluminium joists >2mm: A hole must be pre drilled in the joist and specific Steel Joist Installation Kits must be used.

Follow the fitting instructions carefully, see full instructions on www.wrg.ie technical information before starting.

Location and Deck Size

When deciding the size of your deck, look around at the space you have, your house, the size of your garden and what proportion of deck will enhance and improve the look of it. Your deck should have a southerly aspect. Is the ground level or falling? How close to the house would I like the deck? When deciding on the size of deck you need to take into account that the deck boards are 3600mm in length. You can make a deck any length, but you want to avoid having a deck with very short end boards. Therefore it's important to plan your exact deck layout.

Tools Required

Whiteriver Decks can be installed using the same tools that you would use for fitting any timber deck. • Tape Measure • Electric Saw • Level • Square • Cordless Drill • drill bits • Building Line • Safety Goggles

General

Composite decking has a composition of 60% timber, 30% HDPE Plastic and 10% Resins / Pigments etc. While the timber element is very stable (it is kiln dried at very high temperatures to remove the cell structure), the HDPE expands and contracts on the length of the board in line with changes in temperature and humidity. It is necessary to leave a perimeter gap of 10mm around where the deck meets fixed objects/obstructions and also a 5mm spacing must be left at each short board end to allow for normal seasonal movements.

Design

Once you have made a decision on the above, now you need to decide on the deck design. A deck that is well designed can do amazing things to your home.

First decide on the direction you would like the boards to run please note boards must drain along the length of the board, the minimum fall required is 1.66% (1:60 fall) to allow water drain off the boards e.g. a 5 metre deck should have a fall of 83mm across the deck. **Do not install the decking flat.** Will there be steps? Would you like handrails around it? What colour will suit your garden and house best?

Ventilation and Site Conditions

There should be good drainage under the deck and all topsoil should be removed and replaced with clean stone, unless the deck is at least 1000mm above ground level with open ventilation under the deck. No soil should meet the deck boards or under structure. The ground/substructure should be properly supported - please consult with an engineer if you are unsure. Whiteriver composite decking products CANNOT be directly installed onto a flat surface. It must be installed onto a substructure, so there is adequate and unobstructed air flow under the decking to prevent excessive water absorption.

Good ventilation under your deck is key to it performing well in the long term.

For non screed and screed surfaces, plan a minimum of 100mm (4 inches) of continuous net free area under the decking surface. This is required to allow for adequate ventilation on all deck types so air can circulate freely between adjacent joist members to promote drainage and drying. Air must have an entry point and exit point to the sub construction.

Joist should be built up on two criss cross layers or the joist should be supported with plastic pedestals to allow for air movement. For small balcony areas, less than 10m², it is possible to have a lower clearance provided sufficient drainage and air movement can be provided. For balcony projects, we recommend getting the design reviewed by an engineer.

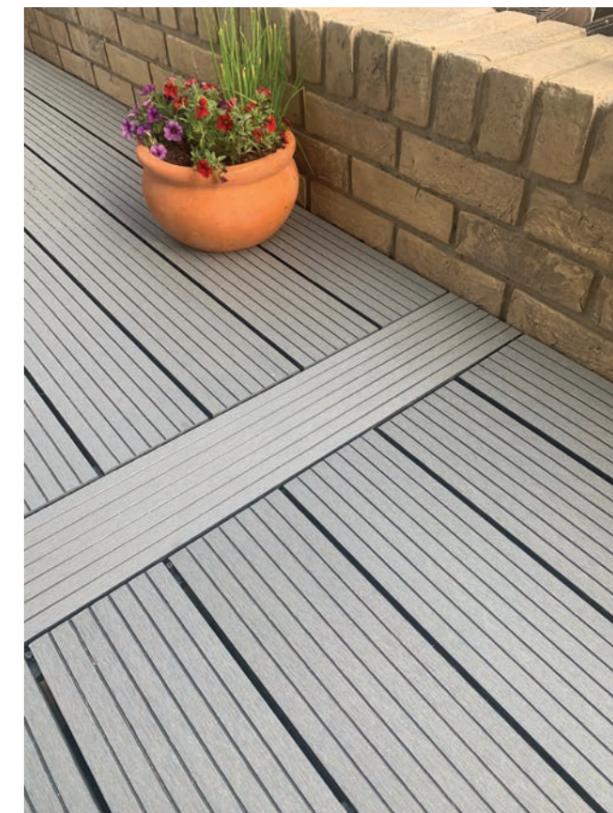
Please note areas that are walled in on all sides are not suitable for deck installation as there will not be enough air movement under the deck, unless ventilation through the walls is provided for the undercarriage. If there is any dampness under the deck, it can lead to mould build up underneath the deck and excessive swelling, expansion and contraction in the boards. In summary, it is vital that the area underneath the deck is free draining and per above, adequate ventilation is provided for.

If you require any technical advice, please contact our sales office on **Email: enquiries@wrg.ie**

Direction of Deck

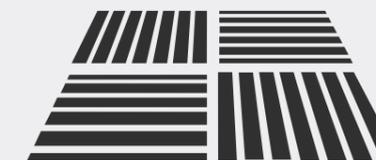
See full instructions on www.wrg.ie technical information before starting

There is no correct deck direction, it is purely personal preference but whatever you choose dictates the sub-frame design and configuration. Things to consider: Think about where you or your guests will view the deck. Looking along the length of the boards will make the deck look longer, while looking across the boards creates an illusion of width. All boards are 3600mm long and each side of the board contains different groove or pattern.



Breaker Board Design

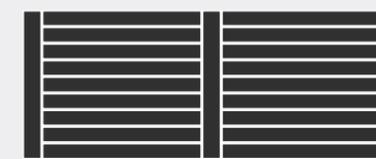
DIRECTION OPTIONS



Checker Board



Horizontal/Diagonal (90°/45°)



Breaker Board

With New Installation Accessories

Composite Decking Installation Do's & Dont's

Please read the instructions fully before starting to install. Failure to install composite decking correctly will result in the deck becoming structurally unstable.

A 10mm gap around the whole deck must be left for expansion and a 5mm gap between board ends.

Do's

- ✓ Leave a 10mm gap around deck perimeter to allow for movement.
- ✓ Ensure there is good air circulation around and under the whole deck.
- ✓ Leave a 5mm expansion gap between board ends.
- ✓ Double joist where board ends meet. Each board end should have it's own clip & joist.
- ✓ Use steel installation kits for fixing to steel or aluminium joists.
- ✓ Use good quality joists for aluminium. Pre-drill fascia boards before fixing.
- ✓ Use recommended clips to secure boards to joists.
- ✓ Pre-drill steel joists to receive stainless steel screws.
- ✓ Acclimatise boards to the environment for 3 days prior to installation.
- ✓ Leave a natural fall to allow water to drain off boards.
- ✓ Use locking clips to control even expansion & contraction along the length of the board.
- ✓ 20mm Max. overhang from joist at deck edges with last fixing clip Max. 30mm from board end.

Dont's

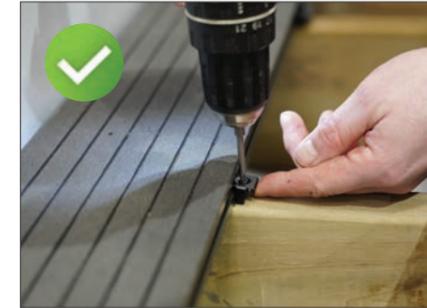
- ✗ Screw directly through the boards and composite joists.
- ✗ Store boards on solid or uneven surfaces.
- ✗ Install in areas that have wall on all sides.
- ✗ Don't overtighten screws, as this can lead to warping or cracking of the boards.
- ✗ Don't install boards directly on top of dirt or grass without proper preparation and a suitable base.
- ✗ Don't use untreated lumber for framing or joists, as it may warp or rot over time.
- ✗ Don't install boards in extreme temperature conditions, such as during freezing temperatures or intense heat, as this can affect their performance.
- ✗ Don't use abrasive cleaning agents or tools on the surface of the boards, as this can cause damage to the protective layer. Whiteriver recommend using "AlgoClear"



Bridging supports can be put in as required.

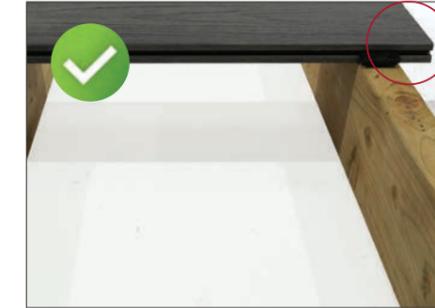


A structurally sound sub frame must be installed ensuring there is no movement prior to fixing boards to the joists. A 1.66% (1:60) fall to allow water to drain and a minimum 100mm free air space between the boards and the ground beneath to allow sufficient airflow to prevent the build up of moisture is essential.



Composite decking should only be installed using correct clips and fixings. Failure to do this will affect the structure of the deck as well as warranty. Never screw directly through the boards. Steel joists >2mm must be pre drilled and specific Steel Joist Installation Kits must be used.

Note: Due to the production process for Ultrashield decking board widths can vary slightly. Boards widths should be measured and matched accordingly.



The overhang of the board should be a maximum of 20mm.



Joists must be set to a maximum of 400mm centres for Portland and 350mm for Ultrashield. This is to ensure stability and also to avoid warping and cracking of the deck boards.

Note: 300mm are recommended for commercial installations.



Board ends butted together must be supported by separate joists and have a min 5mm gap for expansion, or use Aluminium Double Joist. Failure to do this may result in structural failure, swelling and warping. There should be a spacing gap left between the double joists to allow rainwater/debris to fall through the boards.

Key points on how to fit your composite decking correctly & How to avoid unnecessary installation errors.

Following on from our Dos and Don'ts we explain the issues that can arise if decks are not installed or maintained correctly.

What happens if I leave soil under my deck area ?

The soil will retain a lot of moisture and this will affect your decks performance. You need to remove the soil and then stone the area below your deck. You also need to ensure the area is free draining. If your deck is being raised by more than 1m and the area is being left completely open underneath the ground type is less important.

What happens if water pools under my deck ?

Similar to the reasons mentioned above for soil, it will have a negative affect on your substructure and deck boards performance. If in a balcony area, it may be a sign that there may be a blocked drain.

What happens if I fit my deck flat with no fall ?

If you fit your deck flat, the water will not be able to drain off your deck boards easily and your deck will remain wet for much longer periods after it rains. This will cause your deck to catch more dirt and will also encourage over time mould growth to develop.

What happens if I fit my deck with north or east facing orientation ?

Your deck will get much less sun light and will be more prone to being damp and wet for longer. If you are fitting in a north facing area, your deck will require more regular cleaning.

What happens if I don't provide ventilation under my deck ?

The area under your deck will become damp and this may cause your substructure to rot or corrode over time, the decking will also expand and contract a lot more as the excess moisture will pass into the decking boards. Your substructure therefore needs ventilation for 2 reasons.

What happens if I don't leave expansion gap of 5mm at board ends or 10mm around perimeter walls ?

Composite decking will expand and contract as the climate changes. If there is no room for the boards to expand, they will push against each other or the wall and eventually they will develop cracks.



What happens if I don't use a double joist where board ends meet ?

The reason you use a double joist where board ends meet is that the water can drain off the board ends freely and fall to the ground. The board ends are also properly supported with clips. If the board ends are left resting on the joist there is the risk that they will absorb excess moisture causing the boards ends to swell and expand.

What happens if I don't use one locking clip per board that is provided in the installation kit ?

The boards may gradually slide along the normal clips and leave a big gap at one end. The teeth on the locking clip help control the boards movement, it is vital that one clip with teeth catches each board close to its mid-point.

What happens if I screwfix other items through the deck boards ?

This will create a pressure point and the boards may crack over time as there may not be enough expansion room. Handrail systems should always be fixed to the substructure and not through the deck boards.

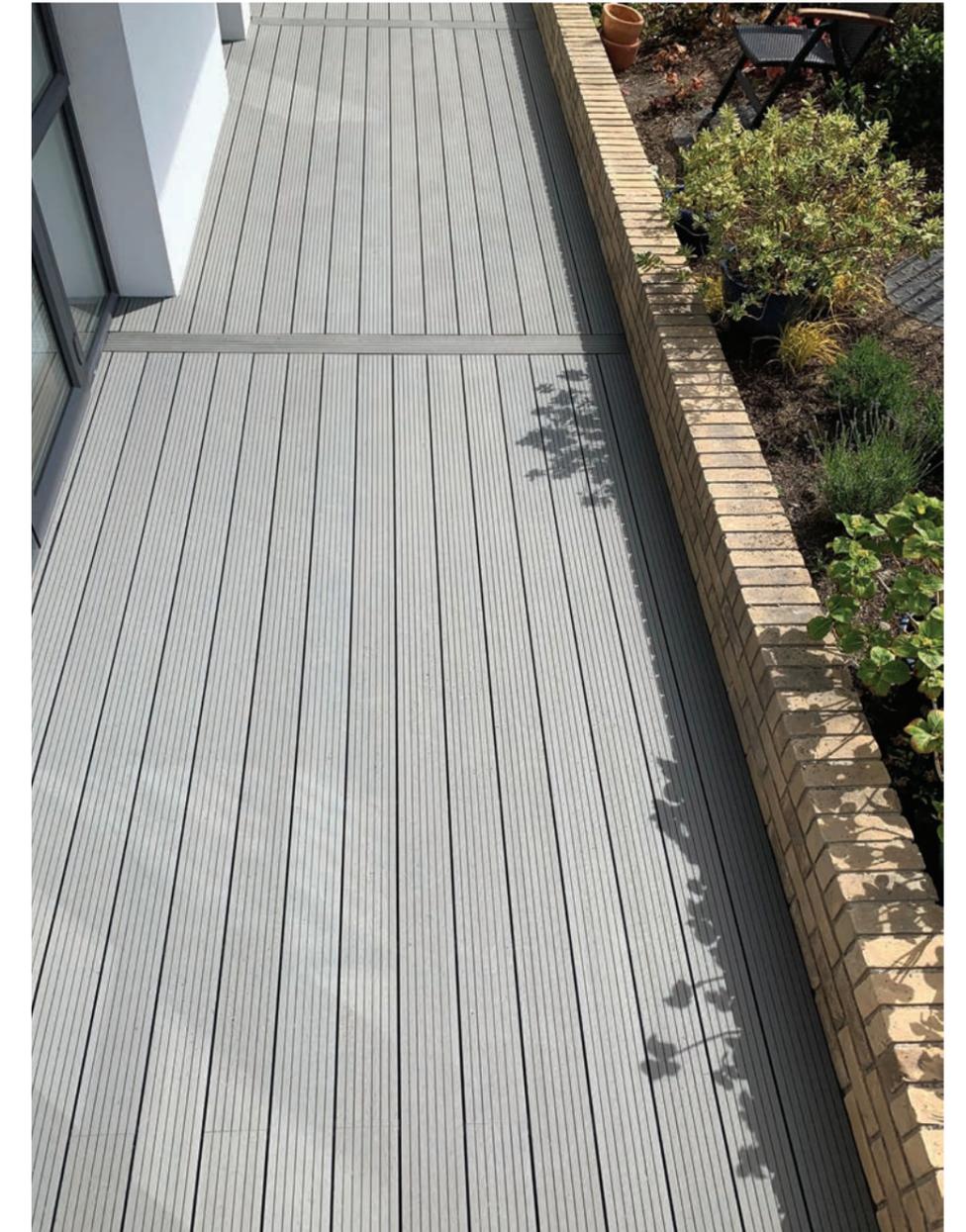
What happens if I don't clean my deck ?

Your deck will remain fine in the short term but over time the deck will collect dirt and pollen and eventually as the deck gets dirtier there will be some green or black mould growth. Your deck never needs to be painted or sealed but it is important to have a cleaning programme.

We hope this information helps you understand why getting your deck installation correct is the key to you having a great outdoor area to enjoy.

For full installation instructions and tips, Please scan the QR code to visit our website.

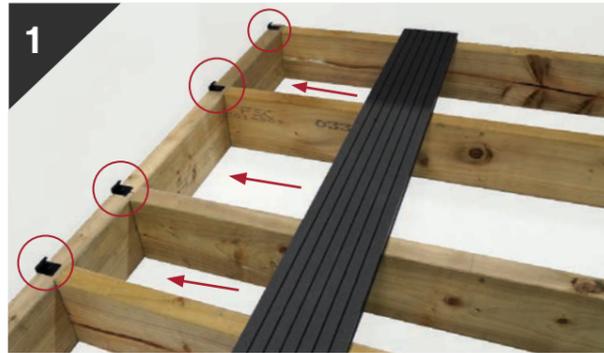
www.wrg.ie



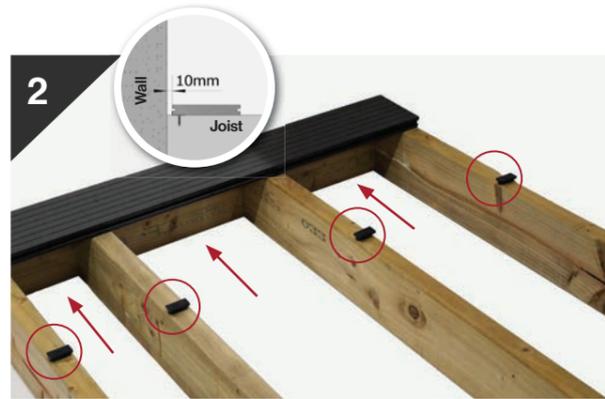
Installation Guide

- Make sure you have ordered enough material, so as not to be short. Allow for about 5% waste. Diagonal installations will have a higher waste factor, and must be 300mm centre.
- Store decking on site for at least 3 days, raised off the ground, lying flat and keep it dry.
- Ensure there is adequate ventilation under the deck. Air should have an entry point and exit point to the sub construction.
- Make sure you allow for expansion of the deck. An expansion gap of 5mm must be allowed where board butt ends meet and a 10mm gap should be left where boards meet fixed points e.g. walls, pillars or railing posts. No objects should be fixed directly to/through the deck as this will prevent seasonal movement. These should be fixed to the substructure.
- Due to the production process for UltraShield decking board widths can vary slightly. Boards widths should be measured and matched accordingly.
- Each board end must sit on its own independent joist with a 5mm expansion gap at board ends per above. There should be a 10-25mm gap between each joist to allow for water/debris to fall straight through.
- There should be good drainage under the deck.
- There should be a minimum fall of 1.66% (1:60) along the deck boards to allow for water to drain freely.
- It is essential to use a locking clip on the joist nearest the centre of every board. This minimises the amount of expansion that the board can do.
- Whiteriver decking is approved for use over joist centres of maximum 400mm/16" (300mm/12" in commercial use) for Portland and UltraShield Terrain. Max. 350mm centre to centre for UltraShield Naturale and Wide Plank (300mm in commercial use).
- Cantilever / overhang of deck board from joist at deck edges should be no greater than 20mm with the last securing clip no more than 30mm from board end to prevent cupping.

Read the full set of instructions on www.wrg.ie/technical information before starting.



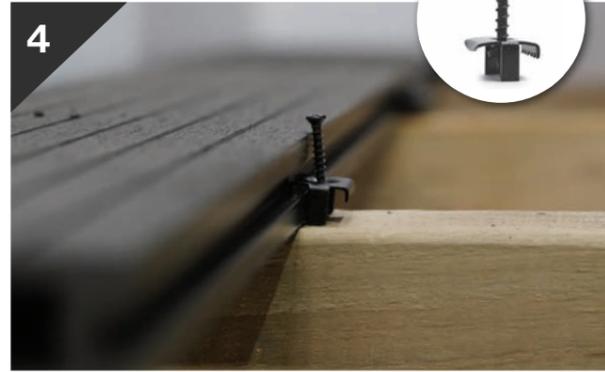
Secure start/end clips in line with each joist. Please note an expansion gap of 10mm must be placed around any fixed objects within the decking e.g. stair case, post brackets and any permanent fixtures that may prevent the decking expanding and contracting naturally. Where two boards join together on the first row, a starter/end clip must be used on each board with a 5mm expansion gap on the short end. Hollow deck boards are not suitable for face fixing. Push the first deck board into the start/end clip. Check that the board is straight and fully inserted into the clip.



Insert a standard clip into each deck board in line with joist and screw fully but do not over tighten.
Note: A locking clip will need to be installed on each deck board per point 4.



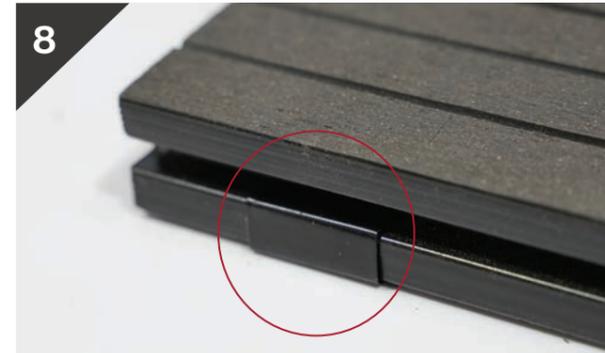
Push the second row of boards into the previous installed row of boards making sure that the deck board grooves are in tight on the clips. Continue to keep inserting clips and boards in this way (using one locking clip per board).



It is very important to install one locking clip per board onto the joist nearest the centre of the board. This helps maintain a consistent expansion gap at the short end. Failure to use the locking clip will result in uneven gapping at short ends. **Attn: Each board only requires one locking clip in the middle. The teeth should always face the same direction.**



When butt jointing boards along the length of the deck you must leave a 5mm gap for seasonal expansion and contraction - see diagram above. Note comments on point 6 regarding double joisting. Boards must not meet across one single joist and must be sealed to prevent swelling, cupping and splitting.



For the last row of boards use a start/end clip in line with each joist. You need to use these clips even if you putting on a fascia board. If you can not slide in the board, the boards can be fixed with screw at 45 degree angle.

Important: the screw hole must be predrilled.

Note: It is very important to provide ventilation to enter the under side of our deck when finishing off the side trims. Once your deck is finished, please ensure to protect your deck until all other trades are finished.



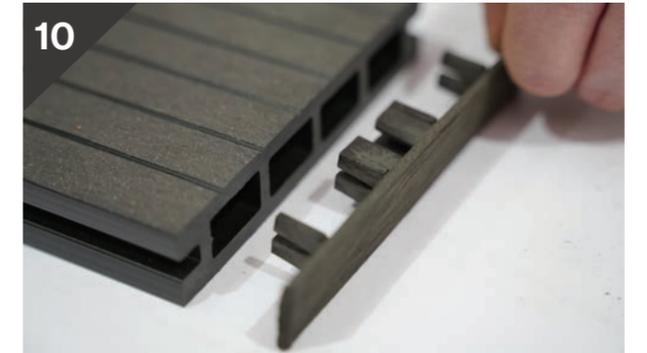
All board ends should be on their own independent joists or if using Aluminium joist, make sure to use our Aluminium Double Joist with its own clip i.e. when butt jointing boards, sister joisting must be used. **This is to ensure that the board will not slide off the joist - failure to do so will void the warranty. Also there needs to be a minimum of 10-25mm between the sister joists per diagram for water to go down between the joists or swelling could occur at the ends. UltraShield board ends meeting across sister joists should be sealed with a polyurethane matt exterior varnish to prevent end swelling, cupping and splitting.**



You can use a solid fascia plank for a great looking finish. It is very important to predrill all composite material prior to fixing with a hole slightly bigger than the screw. Fix in two stainless steel screws into the substructure at intervals of 300-400mm - the fascia must be predrilled with a countersunk hole and fixed to a solid timber plank in all areas (not directly to the butt ends of exposed joists). **You must leave a minimum 40mm gap between the bottom of the fascia and the ground to allow for ventilation.**



If not framed by wall or building on each side, the second last row of boards can be slid into position after you have fixed the last row and the clips for the second last row have been fixed into position.



Moisture can penetrate to the core in the end-cut area and could cause swelling, cupping and cracking at the edge area. Our end pieces are made from durable material with high impact resistance under harsh weather conditions. To prevent moisture penetration we recommend:

Nevada solid board: Seal all cut ends with a water based polyurethane matt exterior varnish to the full surface of all end-cuts.

Hollow boards: End Pieces should be used at perimeter and sealed all round with outdoor silicone sealant.

Breaker Board Installation

Diagrams below show how framework and installation of the breaker board with timber. The framework uses a ladder joist installation where the user is building a frame perpendicular for the board that will be running down it. For aluminium Breaker Board please see page 63.

The below breaker board design ensures the water runs off the board end and down between the joists. The board ends should not rest on the timber as it will absorb moisture.



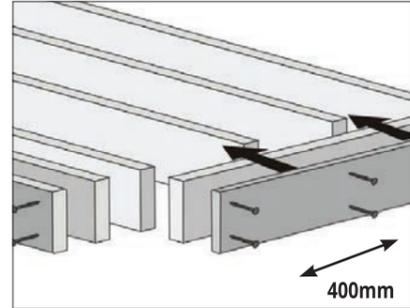
Important: All Ultrashield board ends meeting the breaker board or at deck end should be sealed with a water based polyurethane matt exterior varnish to prevent moisture penetrating the board core. Breaker Board clips can be used to secure the fixing of deck board.



Steel / Aluminium or Timber Breaker Board Joist Installation Kit

Note: Gap for water to run off board ends to the ground.

Fascia Board Installation



Fascia boards need to be fixed at installed on 300-400mm centres to prevent warping or buckling.

All fascias need to use two screws 40mm away from the ends regardless of the thickness.

A gap of 5-6mm needs to be left between Fascia Boards in the same run and also 40mm clearance inbetween the Fascia and the ground below.

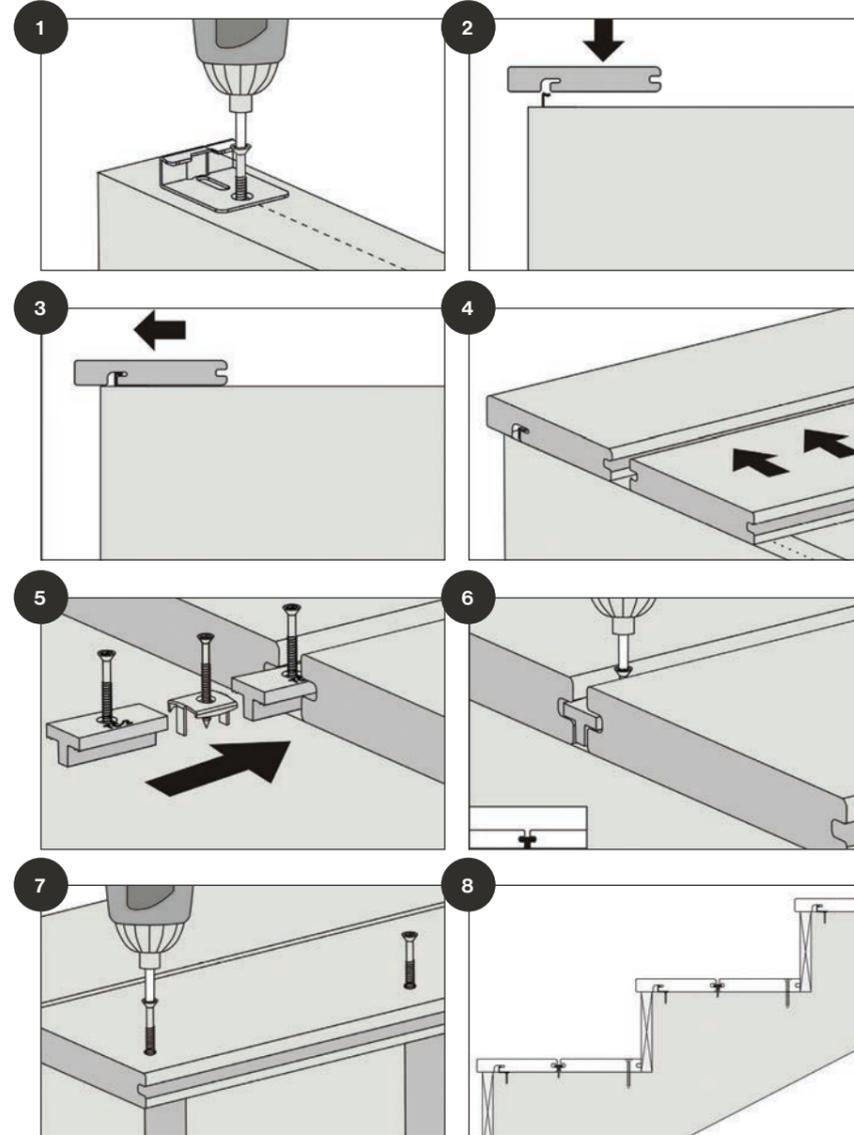
First, pre-drill 3mm holes in the fascia board before face fixing with screws. This drilling allows for the fascia board to expand and move slightly. The fascia board will then be installed into the joist or side board.

Note: NEVER install the fascia by drilling into the decking ALWAYS install the fascia into the joist and ALWAYS pre-drill the fascia with a countersunk hole.

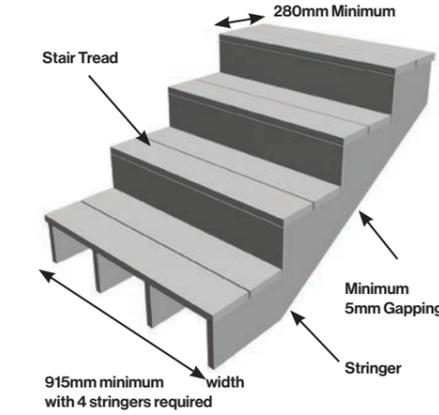
Good ventilation under the deck is key to it performing well in the long term. DO NOT close off air flow around the perimeter of the deck by fixing fascia too close to the ground. A minimal 40mm gap should be left for expansion. Provide vents if needed.



Stair Tread Installation



Stair treads must meet requirements by Government Building Standards - please consult Department of Housing, Planning and Local Government. A minimum of four (4) stringers are required. Overhang on a stair tread should not exceed more than 16mm. Joist centres on steps are 300mm.



First, determine how many boards your stair is going to take to finish (including clip spacing of 6mm between boards) and then you can start to measure where the starter clip will go. Use a white chalk line (Never use coloured chalk) to ensure that all starter clips are lined up on each joist as shown in **Diagram 1**.

Note: The stair tread board can only cantilever/overhang 16mm. If this is exceeded the warranty will be voided.

Place stair tread board over all the starter clips and push down as shown in **Diagram 2**.

Now that the starter clips are inside the underside of the stair tread, the final step is to push forward to ensure that it is secured into place as shown in **Diagram 3**.

Now take the next board and have it situated behind the stair tread board as shown in **Diagram 4**.

Slide the clips into the two grooves and glide them along

until they are on their respective joists and then screwing down onto the joists as shown in **Diagram 5 & 6**.

Finally, finish your last board by face fixing into the board at every joist as shown in **Diagram 7**.

Note: Remember to pre-drill before face fixing into the board. Also face fixing must happen at a 90 degree angle and must be at least 40mm by 40mm from the ends and the width of the board. All pre-drilling must be with a countersunk bit.

Diagram 8 shows a completed staircase from the side to get a better idea of how the final installation will look. Stair treads must meet requirements by Government Building Standards - please consult Department of Housing, Planning and Local Government.

A minimum of four (4) stringers are required. Overhang on a stair tread should not exceed more than 16mm. Joist centres on steps are 300mm.



NewTechWood

ULTRASHIELD Whiteriver



UltraShield Cladding

UNRIVALLED OUTDOOR INNOVATION

- ✓ Built To Last
- ✓ Weather Resistant
- ✓ Easy To Clean

ULTRASHIELD TEAK TRADITIONAL 142 X 13 X 3600MM



Installation is simple using our range of innovative accessories!

Treated timber battens with a minimum thickness of 22mm should be fixed to the wall at 500mm centres. The starting rail is then fixed along the bottom to give an even starting point and support the first row of cladding. Every consecutive row is then secured using the specially designed clips resulting in a seamless finish. Rubber stoppers are used behind the final row to ensure boards are kept flush when fixed with colour matching screws. Corner and edge trims are used to complete the installation.

Note: Please consult local building / fire regulations before planning or commencing installation.

ULTRASHIELD
25 YEAR LIMITED WARRANTY

Acc. to Whiteriver terms - see wrg.ie for full details.

Why Choose Composite Cladding?

Our Ultrashield cladding looks like natural wood, without the worries of real wood exposed to the elements. Ultrashield cladding installs quickly using our exclusive clip system that creates a lasting seal between planks.

Our installation system enables your building to "breathe" as air circulates between boards and joists, keeping your building high, dry, and energy efficient.

 Made from 90% Recycled Materials.
  Natural Timber Look & Feel.
  Easy to Install.



UNIQUE HIDDEN INSTALLATION SYSTEM



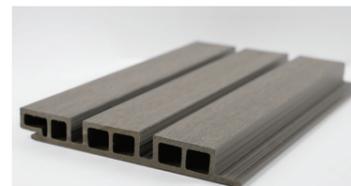
UltraShield® Contemporary

Available in: Teak, Silver Grey, Walnut, Ebony.

Our boards come in two lengths: 2700mm & 3600mm



Contemporary Teak



Contemporary Silver Grey



Contemporary Walnut



Contemporary Ebony



According to Whiteriver terms
See wrg.ie for full details.

Contemporary Cladding Teak
196.5 x 25 x 2700mm - K1630006
196.5 x 25 x 3600mm - K1630001

Contemporary Cladding Silver Grey
196.5 x 25 x 2700mm - K1630106
196.5 x 25 x 3600mm - K1630101

Contemporary Cladding Walnut
196.5 x 25 x 2700mm - K1642006
196.5 x 25 x 3600mm - K1642001

Contemporary Cladding Ebony
196.5 x 25 x 2700mm - K1643006
196.5 x 25 x 3600mm - K1643001



View Online

Made from the same 90% recycled material as our UltraShield Decking, our Cladding is environmentally friendly and made to last with a 25 year limited warranty.

Note: Please consult local building / fire regulations before planning or commencing installation.

NEW

Contemporary Cladding

Why settle for bare brick or plastered external walls which need constant painting when you can have the contemporary look and feel of natural timber with our low maintenance composite cladding. With easy installation, plus low maintenance, and rugged durability that stands up to any weather conditions.

Board Dimensions: 196.5 x 25 x 3600mm

Board Coverage: 0.67m² (1m² = 5.40 linear meters)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ 90% Recycled Material
- ✓ Modern Design



Contemporary Teak

Contemporary Cladding Accessories



Whiteriver ULTRASHIELD

Contemporary Cladding

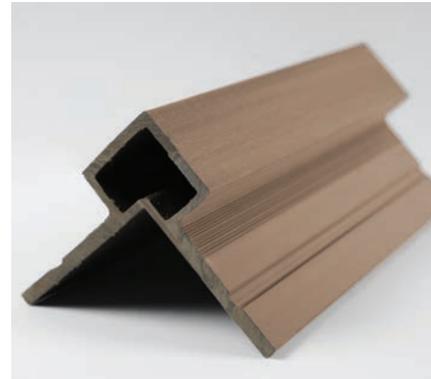
This the main cladding product.



Teak 2700mm:	K1630006
Teak 3600mm:	K1630001
Walnut 2700	K1642006
Walnut 3600mm:	K1642001
Silver Grey 2700:	K1630106
Silver Grey 3600mm:	K1630101
Ebony 2700mm:	K1643006
Ebony 3600mm:	K1643001

UH60 External Corner Trim

This trim is used to seamlessly wrap the cladding.



3000mm Teak:	K1630016
3000mm Walnut:	K1642016
3000mm Silver Grey:	K1630116
3000mm Ebony:	K1643016

UH59 Edge Trim

This trim runs along the edge of the cladding product.



3000mm Teak:	K1630011
3000mm Walnut:	K1642011
3000mm Silver Grey:	K1630111
3000mm Ebony:	K1643011

UH70 Joiner Trim

This trim connects two cladding boards seamlessly.



3000mm Teak:	K1630021
3000mm Walnut:	K1642021
3000mm Silver Grey:	K1630121
3000mm Ebony:	K1643021

Additional Accessories

Starting Rail
3000mm: K1650001

Cladding Clip
50 Per Pack: K1650006

Rubber Stopper
10 Per Pack With Screws: K1650011

Coloured Screws
10 Per Pack With Screws:

Teak: K1410049	Walnut: K1410050
Silver Grey: K1410051	Ebony: K1410204

Above excludes waste factor - 11 clips required per square metre.

Our cladding offers two orientations:

Vertical cladding: Boards run vertically, emphasizing height. Made with durable materials.

Horizontal cladding: Boards run horizontally, creating a broader look. Board width affects appearance.

EDGE TRIM UH59



JOINER TRIM UH70



EXTERNAL CORNER UH60



ULTRASHIELD SILVER GREY CONTEMPORARY 196.5 X 13 X 3600MM

Visit our website for detailed installation and check our comprehensive and easy-to-follow instructions on composite cladding and decking.

Cladding Calculator (No. of boards required)

Product	10m ²	12m ²	14m ²	16m ²	18m ²	20m ²	22m ²	24m ²	26m ²	28m ²	30m ²	32m ²	34m ²	36m ²	38m ²	40m ²	42m ²	44m ²	46m ²	48m ²	50m ²
Contemporary Cladding - 2700mm	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
Contemporary Cladding - 3600mm	15	18	21	24	27	30	33	36	39	42	45	48	52	55	58	61	64	67	70	73	76

Above excludes waste factor - 11 clips required per square metre.



UltraShield® Traditional

Available in: Teak, Silver Grey, Walnut, Ebony.

Our boards come in two lengths: 2700mm & 3600mm



Traditional Teak



Traditional Walnut



Traditional Silver Grey



Traditional Ebony



View Online

Cladding guards your home against harsh weather conditions and extreme temperatures. Cladding protects the inside of your home from wind, rain and snow. Cladding can also keep dirt and insects outside. Installing your siding correctly ensures the ultimate protection.



According to Whiteriver terms
See wrg.ie for full details.

Traditional Cladding Teak
142 x 13 x 2700mm - K1610006
142 x 13 x 3600mm - K1610001
Traditional Cladding Silver Grey
142 x 13 x 2700mm - K1610016
142 x 13 x 3600mm - K1610011
Traditional Cladding Walnut
142 x 13 x 2700mm - K1610056
142 x 13 x 3600mm - K1610051
Traditional Cladding Ebony
142 x 13 x 2700mm - K1610056
142 x 13 x 3600mm - K1610051

NEW

Traditional Cladding

UltraShield 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 colours and textures, with highly stain & UV resistance, making it long lasting and ultra low maintenance.

Board Dimensions: 142 x 13 x 3600mm
Board Coverage: 0.47m² (1m² = 7.40 linear meters)

- ✓ Hidden Fixing System
- ✓ Finishing Trims Available
- ✓ 90% Recycled Material



Traditional Teak

Note: Please consult local building / fire regulations before planning or commencing installation.

Traditional Cladding Accessories



Whiteriver **ULTRASHIELD**

Traditional Cladding

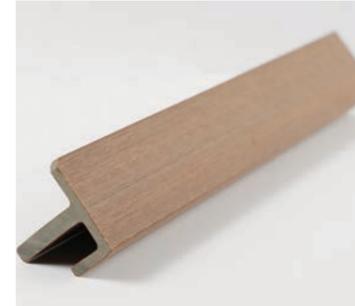
This the main cladding product.



Teak 2700mm:	K1610006
Teak 3600mm:	K1610001
Walnut 2700mm:	K1610056
Walnut 3600mm:	K1610051
Silver Grey 2700mm:	K1610016
Silver Grey 3600mm:	K1610011
Ebony 2700mm:	K1610066
Ebony 3600mm:	K1610061

US44 End Trim

Used for ending a cladding board.



3000mm Teak:	K1620001
3000mm Walnut:	K1640021
3000mm Silver Grey:	K1620021
3000mm Ebony:	K1620041

US45 Joiner Trim

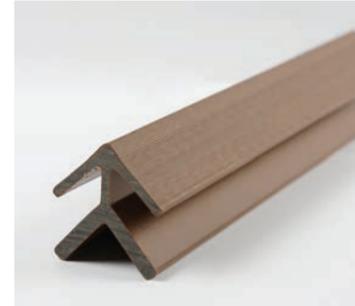
Used to seamlessly join cladding boards.



3000mm Teak:	K1620006
3000mm Walnut:	K1640031
3000mm Silver Grey:	K1620026
3000mm Ebony:	K1620046

US46 External Corner

Used for outside corner wrap.



3000mm Teak:	K1620011
3000mm Walnut:	K1640011
3000mm Silver Grey:	K1620031
3000mm Ebony:	K1620051

US47 Internal Corner

Used for inside corner wrap.



3000mm Teak:	K1620016
3000mm Walnut:	K1640016
3000mm Silver Grey:	K1620036
3000mm Ebony:	K1620056

Additional Accessories

Starting Rail
3000mm: K1650001



Cladding Clip
50 Per Pack: K1650006



Rubber Stopper
10 Per Pack With Screws: K1650011



Coloured Screws
10 Per Pack With Screws:

Teak: K1410049	Walnut: K1410050
Silver Grey: K1410051	Ebony: K1410204




Above excludes waste factor - 15 clips required per square metre.

Our cladding offers two orientations:

Vertical cladding: Boards run vertically, emphasizing height. Made with durable materials.

Horizontal cladding: Boards run horizontally, creating a broader look. Board width affects appearance.

END TRIM US44



JOINER TRIM US45



EXTERNAL CORNER US46



INTERNAL CORNER US47



Visit our website for detailed installation and check our comprehensive and easy-to-follow instructions on composite cladding and decking.



ULTRASHIELD TEAK TRADITIONAL 142 X 13 X 3600MM

Cladding Calculator (No. of boards required)

Product	10m ²	12m ²	14m ²	16m ²	18m ²	20m ²	22m ²	24m ²	26m ²	28m ²	30m ²	32m ²	34m ²	36m ²	38m ²	40m ²	42m ²	44m ²	46m ²	48m ²	50m ²
Traditional Cladding - 2700mm	28	34	39	45	51	56	62	68	73	79	85	90	96	101	107	113	118	124	130	135	141
Traditional Cladding - 3600mm	21	25	30	34	38	42	46	51	55	59	63	68	72	76	80	84	89	93	97	101	105

Above excludes waste factor - 15 clips required per square metre.



ULTRASHIELD TEAK TRADITIONAL 142 X 13 X 3600MM



ULTRASHIELD SILVER GREY TRADITIONAL 142 X 13 X 3600MM



ULTRASHIELD SILVER GREY TRADITIONAL 142 X 13 X 3600MM

Top Tips for Cladding Installation

Contemporary & Traditional Cladding

Here are ten top tips to use when installing your UltraShield Contemporary & Traditional Cladding.

1. Safety First:

Prioritize safety by wearing appropriate gear like gloves, safety glasses, long sleeves, when handling and installing the cladding.

2. Check Regulations:

Before installation, ensure compliance with local building and fire regulations.

3. Quality Tools:

Use standard woodworking tools with carbide-tipped blades for installation to ensure precision and efficiency.

4. Flat Surface:

Prepare a clean, smooth, and flat surface for correct cladding installation. Battons should be at 500mm centres.

5. Plan Layout:

Plan the layout beforehand to achieve the desired aesthetic and functionality for your project. Take account of the board lengths to minimise waste.

6. Support Structure:

Ensure a compliant substructure for the cladding. The product isn't intended for primary load-bearing use and must have proper support.

7. Ventilation & Airflow:

Allow for adequate airflow under the cladding to prevent excessive water absorption. Maintain a

minimum of 25mm of net free area for ventilation. Recommended 50 x 25mm treated battons.

8. Mind Heat & Fire:

Be cautious of extreme heat sources, such as fire or reflected sunlight, which might affect the cladding. Seek solutions if using Low-E glass, as it can cause unusual heat buildup.

9. Correct Fasteners:

Use recommended clips for fixing. Avoid toe screwing, ensure proper spacing, and avoid colored chalk.

10. Expansion & Contraction:

Account for temperature-induced expansion and contraction by following recommended gap sizes between boards based on temperature changes. Acclimatize the cladding on-site for 72 hours before installation.



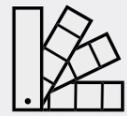
Scan to view

Contemporary (Left) & Traditional (Right) Installation Instructions



Choose your cladding

Request free samples of Whiteriver Group's composite cladding to see how they look and feel in your actual space.



Choose your colour

Modern, traditional, or something uniquely you? Browse Whiteriver Group's composite cladding colors and textures for inspiration.



Don't forget the accessories

We offer convenient installation kits that include all the essential clips, fasteners, and screws you need.



Bring your project to life

Lock in your Whiteriver Group composite cladding choices. Let the transformation begin! Watch your stunning, long-lasting cladding come to life.



NewTechWood

Fencing

PRIVACY NEVER LOOKED SO GOOD

- ✓ Built To Last
- ✓ Weather Resistant
- ✓ Easy To Clean

RENO COMPOSITE FENCE PANELS FOR CONCRETE POST

What Is Composite Fencing

Composite Fences are a modern and sustainable fencing solution made from a blend of recycled wood fibres and plastic. They come in a variety of styles and colours, offering homeowners a customized look that complements their homes architecture.

Composite Fences are highly durable, with resistant to rotting, warping, cracking and insect damage. Thus making them almost maintenance-free.



ECO FRIENDLY



NATURAL FEEL



DURABILITY



INSECT RESISTANT



LOW MAINTENANCE



TAHOE TEAK FENCING 160 X 21 X 1780MM

Easy To Assemble

From beginners to experts, NewTechWood UltraShield Fencing makes your fencing easier than ever to build. With a simple lock-in system of boards that slide easily into our aluminium framework, fences are built both efficiently and securely. Perfect for both novice and experienced DIY hobbyists and professionals.

UltraShield Fencing Protection

As with the rest of the UltraShield range, our fencing boards are covered by our market-leading 10-year limited warranty.

Natural Look and Feel

Everything that makes our NewTechWood UltraShield range the ideal choice has been implemented into our fencing. With a look that's so natural you'll barely notice the difference from real wood and fully-capped protection from the elements, UltraShield fencing is the ideal choice for low-maintenance projects.

No Fuss Care

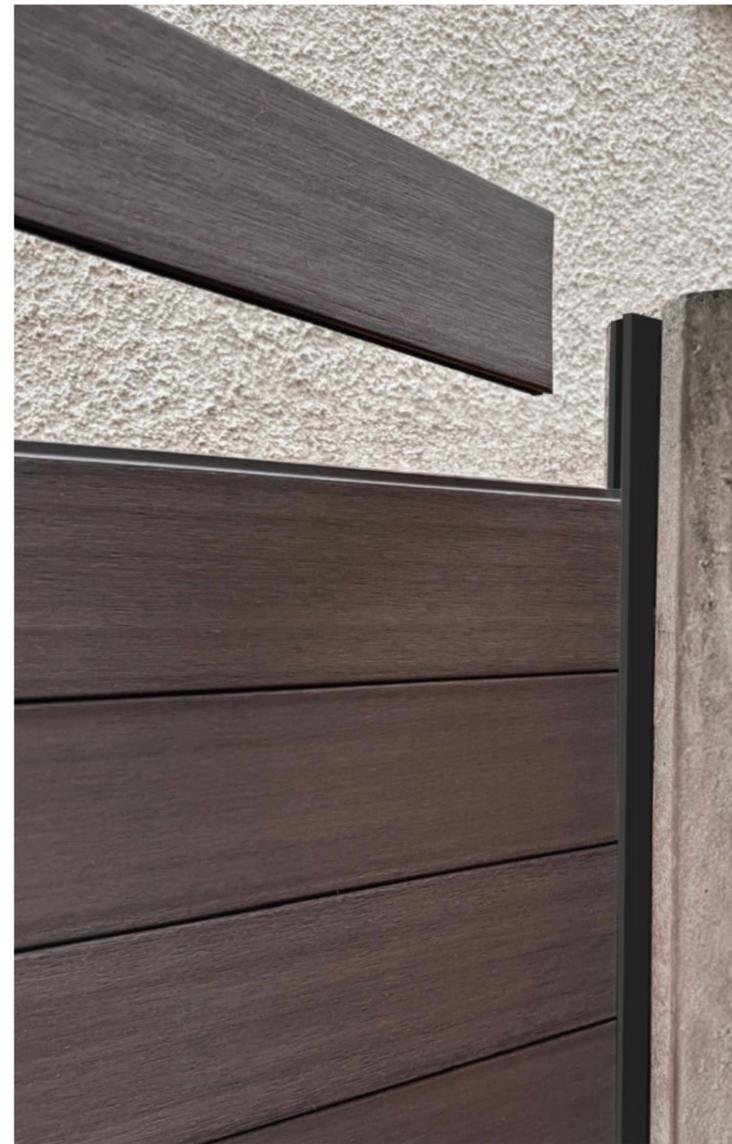
Long-gone is the necessity to treat your fence boards every year. With UltraShield, a regular hose down is all you need to keep your boards looking as good as the day you bought them. With our unique UltraShield formula fully capped around every board, there is no worrying about the traditional fading, staining, or mildew issues that often face timber fencing.



Scan to view
Composite Fencing Installation Instructions



RENO SILVER GREY FENCING 160 X 21 X 1780MM



CHANNEL RETRO FITTED TO STANDARD CONCRETE POST TO ALLOW FENCE BOARDS TO SLIDE INTO PLACE.



UltraShield® Reno Fencing

ULTRASHIELD
10 YEAR LIMITED WARRANTY

According to Whiteriver terms
See wrg.ie for full details.

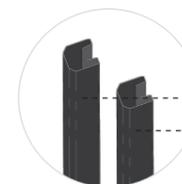


View Online

Reno Teak 160 x 21 x 1780mm		Reno Silver Grey 160 x 21 x 1780mm		Reno Walnut 160 x 21 x 1780mm	
					
Fence Board K1810001 Pack of 3 + 1 Metal Support Bar	Top Board K1810101	Fence Board K1810006 Pack of 3 + 1 Metal Support Bar	Top Board K1810106	Fence Board K1810011 Pack of 3 + 1 Metal Support Bar	Top Board K1810111

Garden Fencing Channel Insert
For Concrete Posts for base with existing gravel board base.

Pack of 2
46mm x 1475mm
Powder-Coated Aluminium
Code: K1820121 (1475mm)



Anthrazit Colour
More info on page 109



Can be retro-fit
for concrete posts

What to order for replacing a 1500mm garden fence in concrete post:

①	②	③
3 Packs of Fence Board	1 Top Board	1 Pack of Garden Fencing Channel for Concrete Post
		
3 Boards Per Pack		2 Channels per pack Code: 1820121 (1475mm)

Note: Always leave minimum of 5mm expansion on each side of the board.

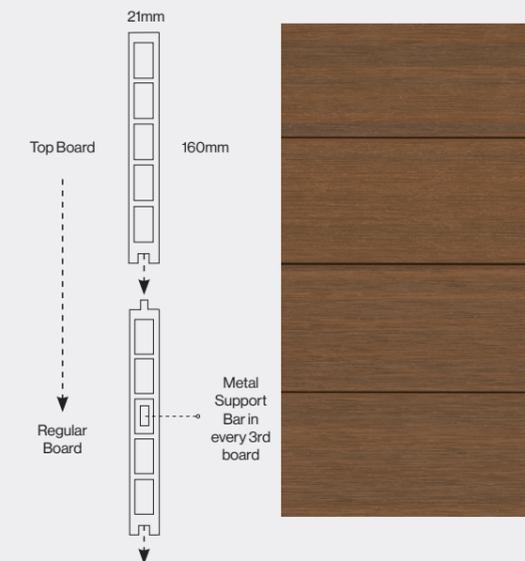
NEW

Reno Fencing

Transform your space effortlessly with UltraShield Reno Fencing. Simple installation, maintenance-free, and a wipe-clean surface make it the perfect choice. Say goodbye to yearly treatments and hello to lasting beauty and protection.

Fence Board Dimensions: 160 x 21 x 1780mm
Fence Top Board Dimensions: 140 x 21 x 1780mm
Coverage: 3 Packs + Top Board = 1524mm (5')

- ✓ Hidden Fixing System
- ✓ 90% Recycled Material



Reno Teak



UltraShield® Tahoe Fencing

ULTRASHIELD
10 YEAR LIMITED WARRANTY

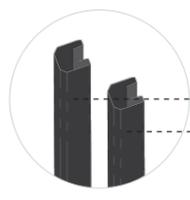
According to Whiteriver terms
See wrg.ie for full details.



View Online

Tahoe Teak 160 x 21 x 1780mm		Tahoe Silver Grey 160 x 21 x 1780mm		Tahoe Walnut 160 x 21 x 1780mm	
Fence Board K1820001 <i>Pack of 3 + 1 Metal Support Bar</i>	Top Board K1820101	Fence Board K1820006 <i>Pack of 3 + 1 Metal Support Bar</i>	Top Board K1820106	Fence Board K1820011 <i>Pack of 3 + 1 Metal Support Bar</i>	Top Board K1820111

**Garden Fencing Channel Inserts
For Concrete Posts for base with
existing gravel board base.**
Pack of 2
46mm x 1475mm
Powder-Coated Aluminium
Code: K1820121 (1475mm)



Anthrazit Colour
More info on page 109



**Can be retro-fit
for concrete posts**

What to order for replacing a 1500mm garden fence in concrete post:

①	②	③
3 Packs of Fence Board	1 Top Board	1 Pack of Garden Fencing Channel for Concrete Post
<small>3 Boards Per Pack</small>		2 Channels per pack Code: K1820121 (1475mm)

Note: Always leave minimum of 5mm expansion on each side of the board.

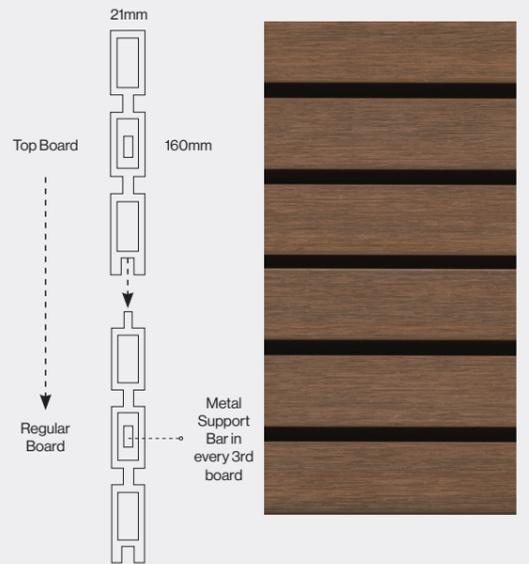
NEW

Tahoe Fencing

Privacy never looked better with Tahoe UltraShield Fencing. Effortless installation, no more annual treatments. The wipe-clean surface ensures lasting beauty and protection. Unmatched simplicity, durability, and style for a hassle-free fencing experience.

Fence Board Dimensions: 160 x 21 x 1780mm
Fence Top Board Dimensions: 140 x 21 x 1780mm
Coverage: 3 Packs + Top Board = 1524mm (5')

- ✓ Hidden Fixing System
- ✓ 90% Recycled Material



Tahoe Teak



Available September 2024

Portland Denver Fencing

PORTLAND
10
YEAR LIMITED
WARRANTY

According to Whiteriver terms
See wrg.ie for full details.



View Online

Denver Soft Grey
160 x 21 x 1780mm

Fence Board
K1850001
Pack of 3
+ 1 Metal Support Bar

Top Board
K1850006

Denver Anthrazit
160 x 21 x 1780mm

Fence Board
K1850101
Pack of 3
+ 1 Metal Support Bar

Top Board
K1850106

Garden Fencing Channel Insert
For Concrete Posts for base with
existing gravel board base.

Pack of 2
46mm x 1475mm
Powder-Coated Aluminium
Code: K1820121 (1475mm)



Anthrazit Colour
More info on page 109



Can be retro-fit
for concrete posts

What to order for replacing a 1500mm garden fence in concrete post:

- 1
3 Packs of Fence Board

3 Boards Per Pack
- 2
1 Top Board
- 3
1 Pack of Garden Fencing Channel for Concrete Post

2 Channels per pack
Code: K1820121 (1475mm)

Note: Always leave minimum of 5mm expansion on each side.

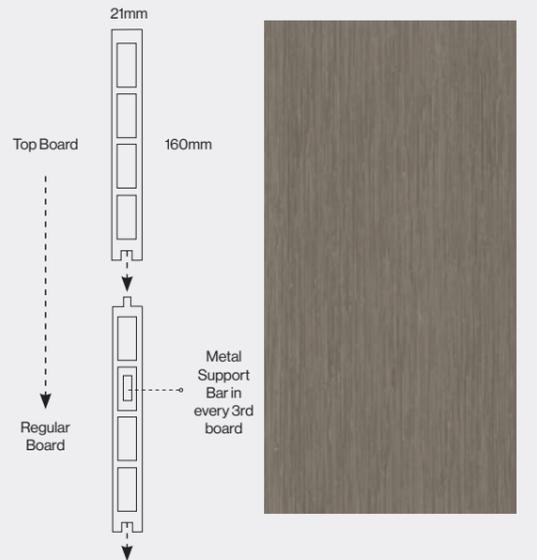
NEW

Denver Fencing

Transform your fencing with Portland. Say goodbye to the hassle of frequent treatments; its straightforward installation ensures a stress-free experience. Embrace unmatched simplicity, durability, and style for a fencing solution that stands out effortlessly.

Fence Board Dimensions: 160 x 21 x 1780mm
Fence Top Board Dimensions: 140 x 21 x 1780mm
Coverage: 3 Packs + Top Board = 1524mm (5')

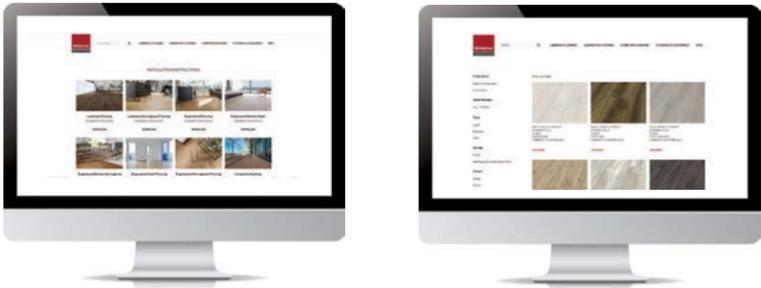
- ✓ Hidden Fixing System
- ✓ 90% Recycled Material



Denver Soft Grey

Find us online.

The Whiteriver catalogue including information on laminate flooring, engineered hard wood flooring, composite decking and cladding and various accessories can all be found on our official website.



LAMINATE & ENGINEERED FLOORING, COMPOSITE DECKING, ACCESSORIES, LACQUERS AND SEADec DOORS. SEARCH BY DESIGN, BRAND, COLOUR AND BOARD SIZE



VIEW & DOWNLOAD INSTALLATION INSTRUCTIONS, CARE & MAINTENANCE GUIDES AND PRODUCT DATA SHEETS. VIEW OUR GALLERY, LATEST PRODUCT DEVELOPMENT AND RECENT PROJECTS.

EXPLORE OUR EXTENDED PRODUCT CATEGORIES AND CATALOGUE ONLINE WWW.WRG.IE



Follow us on Instagram!

To stay up to date with our flooring inspiration, tips and tricks, guides and Whiteriver updates!

@whiteriver_group



SCAN to visit wrg.ie

Our Website and Brochures

Visit our websites for the latest product updates, inspirational galleries and brochures. www.wrg.ie (Decking & Flooring) and www.seadec.ie (Internal Doors & Mouldings)



Engineered Wood Flooring
Brochure



Laminate Flooring
Brochure



Composite Decking & Cladding
Brochure



Seadec Doors
Brochure

Quality & Assurance

Full care & maintenance guides, DOP's, specification sheets and installation instructions are available through our websites and by request from our sales team sales@wrg.ie / seadec@wrg.ie



CARE AND MAINTENANCE DECLARATION OF PERFORMANCE SPECIFICATION SHEET INSTALLATION INSTRUCTIONS

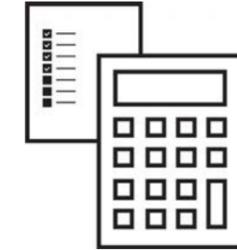


PRODUCT INDEX

WWW.WRG.IE

Portland Montana Deckboard Pg: 11		Portland Stair Tread Pg: 22		Soft Grey	K1410051	Ebony	K1410203	Pebble Grey	See Silver Grey
Soft Grey	K1210003	Fired Earth	K1410091	Portland Bottom Hand Rail 1.8m Pg: 24		Earth Grey	See Silver Grey	UltraShield End Cap Pg: 52	
Charcoal	K1210027	Anthrazit	K1410090	Fired Earth	K1410037	Terra Umber	See Teak	Teak	K1410067
Anthrazit	K1210001	Portland Installation Kits Pg: 23		Portland Curved Hand Rail 1.8m Pg: 24		UltraShield Head Screws Pg: 52		Walnut	K1410068
Portland Montana Fire Rated Deckboard Pg: 15		Timber Joists	K1410110	Fired Earth	K1410035	Teak	K1410049	Cedar	K1410069
Anthrazit	K1210075	Aluminium Joists	K1410089	Anthrazit	K1410034	Walnut	K1410050	Silver Grey	K1410070
Soft Grey	K1210080	Portland Start/End Clips Pg: 23		Soft Grey	K1410085	Antique	K1410052	Antique	K1410071
Portland Montana Wood Grain Deckboard Pg: 9		Timber Joists	K1410041	Bottom Bracket	K1410023	Silver Grey	K1410051	Ebony	K1410205
Anthrazit	K1210201	Aluminium Joists	K1410097	Curved Rail Spacer	K1410125	Ebony	K1410204	Old Mist	See Antique
Charcoal	K1210203	Joists Pg: 23		Base Rail Spacer	K1410126	UltraShield De-Scratch Kits Pg: 52		Pebble Grey	See Silver Grey
Soft Grey	K1210202	Composite Joist	K1410121	Portland Spindle Inc. Spigots 900mm Pg: 24		Teak	K1410053	Earth Grey	See Silver Grey
Portland Nevada Solid Deckboard Pg: 17		Aluminium Joist	K1410095	Fired Earth	K1410018	Walnut	K1410054	Terra Umber	See Teak
Anthrazit	K1210008	Aluminium Double	K1410135	Anthrazit	K1410017	Cedar	K1410073	Installation Kits Pg: 53	
Soft Grey	K1210031	Joist Support	K1410101	Soft Grey	K1210046	Antique	K1410056	Timber Joists	K1410047
Portland Corner Wrap Pg: 22		Joist Corner Bracket	K1410102	UltraShield Naturale Pg: 33		Ebony	See Walnut	Aluminium Joists	K1410089
Fired Earth	K1210010	Joist Joining Bracket	K1410130	Teak	K1210021	Silver Grey	K1410055	Start/End Clips Pg: 53	
Anthrazit	K1210009	Portland Rails Pg: 24		Walnut	K1210022	UltraShield Fascia Board Pg: 52		Timber Joists	K1410048
Soft Grey	K1210015	Post Bracket Each	K1410086	Cedar	K1210023	Teak	K1410062	Aluminium Joists	K1410097
Charcoal	K1210029	Portland Posts 1.2m Pg: 24		Antique	K1210024	Walnut	K1410063	Joists Pg: 53	
Portland Fascia Board Pg: 22		Fired Earth	K1210056	Silver Grey	K1210025	Cedar	K1410064	Composite Joist	K1410121
Fired Earth 140mm	K1210018	Anthrazit	K1210057	Ebony	K1210026	Antique	K1410066	Aluminium Joist	K1410095
Anthrazit 140mm	K1210020	Soft Grey	K1210052	UltraShield Naturale Wide Board Pg: 43		Ebony	K1410206	Aluminium Double	K1410135
Soft Grey 140mm	K1210019	Portland Posts 2.4m Pg: 24		Old Mist	K1210032	Old Mist	See Antique	Joist Support	K1410101
Charcoal 140mm	K1210030	Fired Earth	K1210055	Pebble Grey	K1210033	Pebble Grey	See Silver Grey	Joist Corner Bracket	K1410102
Fired Earth 130mm	K1210016	Anthrazit	K1210054	UltraShield Terrain Pg: 31		Earth Grey	See Silver Grey	Joist Joining Bracket	K1410130
Anthrazit 130mm	K1210017	Soft Grey	K1210053	Earth Grey	K1210025	Terra Umber	See Teak	Aluminium Hand Rail Pg: 55	
Soft Grey 130mm	K1210022	Portland Post Flange Each Pg: 24		Terra Umber	K1210026	UltraShield Stair Tread Pg: 52		Black Straight Rail	K1710001
Charcoal 130mm	K1210026	Fired Earth	K1210026	UltraShield Corner Wrap Pg: 52		Teak	K1410057	Black Stair Rail	K1710006
Portland End Piece Pg: 22		Anthrazit	K1210025	Teak	K1410078	Walnut	K1410058	Black Rail Post	K1710011
Fired Earth	K1410003	Soft Grey	K1210047	Walnut	K1410081	Cedar	K1410059	Black Rail Brackets	K1710051
Anthrazit	K1410002	Portland Post Cap Square Each Pg: 24		Cedar	K1410082	Silver Grey	K1410060	White Straight Rail	K1730001
Soft Grey	K1410012	Fired Earth	K1410022	Antique/Old Mist	K1410080	Antique	K1410061	White Stair Rail	K1730006
Charcoal	K1410096	Anthrazit	K1410021	Silver Grey/Pebble Grey	K1410079	Old Mist	See Antique	White Rail Post	K1730011

White Rail Brackets	K1730051	Silver Grey UH60	K1630116	Ebony US45	K1620046
Black Brackets/Fixings	K1730056	Silver Grey UH59	K1630111	Ebony US46	K1620051
White Brackets/Fixings	K1730056	Silver Grey UH70	K1630121	Ebony US47	K1620056
Pedestals and Subframes Pg: 58		Walnut UH58 2700mm	K1642006	UltraShield Reno Fencing Pg: 91	
PV2.3/3.5	K1420038	Walnut UH58 3600mm	K1642001	Teak UH24	K1810001
PV3.5/5	K1420016	Walnut UH60	K1642016	Teak UH103	K1810101
PV5/8	K1420017	Walnut UH59	K1642011	Silver Grey UH24	K1810006
PV8/11	K1420018	Walnut UH70	K1642021	Silver Grey UH103	K1810106
PV11/14	K1420019	Ebony UH58 2700mm	K1643006	Walnut UH24	K1810011
PV14/17	K1420020	Ebony UH58 3600mm	K1643001	Walnut UH103	K1810111
AK3.5/5	K1420021	Ebony UH59	K1643011	UltraShield Tahoe Fencing Pg: 93	
AK5/8	K1420022	Ebony UH60	K1643016	Teak UH66	K1820001
CPV+	K1420026	Ebony UH70	K1643021	Teak UH107	K1820101
CO	K1420006	UltraShield Traditional Cladding Pg: 81		Silver Grey UH66	K1820006
C3/4T	K1420007	Teak US09 2700mm	K1610006	Silver Grey UH107	K1820106
F30	K1420023	Teak US09 3600mm	K1610001	Walnut UH66	K1820011
AF100	K1420009	Teak US44	K1620001	Walnut UH107	K1820111
Protection Pad	K1420025	Teak US45	K1620006	Portland Denver Fencing Pg: 95	
2mm Friction Pad	K1420010	Teak US46	K1620011	Soft Grey Fence Board	K1850006
HS2	K1420015	Teak US47	K1620016	Soft Grey Top Board	K1850006
P17	K1420027	Silv Gr US09 2700mm	K1610016	Anthrazit Fence Board	K1850101
C2V+	K1420028	Silv Gr US09 3600mm	K1610011	Anthrazit Top Board	K1850106
C4T	K1420029	Silv Grey US44	K1620021	Care & Maintenance Pg: 102	
S5	K1420030	Silv Grey US45	K1620026	AlgoClear 5 Litre	K1410199
3mm Joist Support Pad	K1420031	Silv Grey US46	K1620031		
5mm Joist Support Pad	K1420032	Silv Grey US47	K1620036		
10mm Joist Support Pad	K1420033	Walnut US09 2700mm	K1610056		
UltraShield Contemporary Cladding Pg: 77		Walnut US09 3600mm	K1610051		
Teak UH58 2700mm	K1630006	Walnut US44	K1640021		
Teak UH58 3600mm	K1630001	Walnut US45	K1640031		
Teak UH60	K1630016	Walnut US46	K1640011		
Teak UH59	K1630011	Walnut US47	K1640016		
Teak UH70	K1630021	Ebony US09 2700mm	K1610066		
Silv Gr UH58 2700mm	K1630106	Ebony US09 3600mm	K1610061		
Silv Gr UH58 3600mm	K1630101	Ebony US44	K1620041		



Visit our

Composite Calculator

on wrg.ie

Need to calculate your area? We've got you covered.

Head on over to the Whiteriver website to access our Composite Decking calculator, by using the calculator you can make informed decisions for the quantity of product you require.



SCAN
to View Online or visit:
www.wrg.ie/decking-calculator/

Decking F.A.Qs

Is Whiteriver Decking really low maintenance?

Yes there is no need for any annual treatment but your deck needs to be cleaned regularly. See Care & Maintenance for further information. For the best maintenance its advised to wash with soap based cleaner, gentle power washing is allowed but not advised on Ultrashield. North and east facing decks as well as decks where there is planting/leaves nearby will require more frequent attention.

Do Whiteriver decks require ventilation & draining?

Yes, it is similar to timber and it needs ventilation to the sub construction to dry out after getting wet. Air should have an entry point and exit point to the sub construction. A lack of ventilation can cause the deck to swell over time over time and affect the lifespan/integrity of the sub-construction if timber.

Do Whiteriver decks splinter?

Whiteriver decks do not splinter.

Do Whiteriver deck boards cut like wood?

Yes you can use the same tools that you would use for a wooden deck.

Does Whiteriver decks cost more than wood?

In the short term it does, however when you compound the maintenance you have to do on wood every year the costs really add up. In a short time you will be able to see all the time and money you would have saved by using Whiteriver Decking.

How is the deck secured?

With hidden clips, see fitting instructions.

What joist spaces do you use?

For domestic decks we recommend 400mm centres for Portland and 350mm for Ultrashield and for a commercial deck or heavy traffic area we recommend 300mm.

Will the deck fade because of sun exposure?

You can expect that there will be minor fading of up to 20%. The majority of this will happen over the first 10-12 weeks.

Is Whiteriver decking impervious to mould?

Whiteriver decking has mould inhibitors that prevent mould growing on the inside of the board. Surface mould can still happen, however it will never penetrate the board itself. Mould and mildew can be washed off, or treated with a cleaner called AlgoClear, please follow instructions fully.

Does Whiteriver decking have a warranty?

Yes, there is a 10 year residential limited warranty on our Portland range and 25 year residential limited warranty on our UltraShield ranges. See website for full details www.wrg.ie

What should I do with UltraShield scrap pieces?

We recommend that you can use these in a variety of ways such as making planters, sand boxes, raised flowers beds, shelving etc.

Can there be staining?

Staining can occur thus it is important to clean up any spillage as soon as it happens.

Can I fix the deck to steel?

Yes you can but please bear in mind that steel can expand and contract. Specific Steel Joist installation kits are available and joists must be pre drilled. Please see detailed fitting instructions to find out more on www.wrg.ie.

How do I fit handrails?

Handrails and posts must be fixed to the substructure - see detailed fitting instructions on www.wrg.ie.

Is it scratch-resistant?

Whiteriver deck can present some scuff marks and scratches if negative contact is made. We recommend using castor cups under furniture legs.

How should I store and handle my decking?

Whiteriver decks should be stored on site for at least 3 days before fitting in a dry flat area and under cover.

Can static occur?

Static electricity is a naturally occurring phenomenon and may occur on composite decks depending on environmental conditions. Static in composite boards will generally decrease as boards age. Dryer vents and heat pumps in the area of the decking may also contribute to the generation of static.



ENVIRONMENTALLY FRIENDLY



NATURAL FEEL



DURABILITY



BAREFOOT FRIENDLY



INSECT RESISTANT



WEATHER RESISTANT



LOW MAINTENANCE

What is cladding?

Cladding refers to a non-load-bearing layer attached to the exterior of a building to shield it from environmental elements. It serves both functional and aesthetic purposes, enhancing insulation, weatherproofing, and visual appeal.

What are the benefits of using cladding?

Cladding provide protection against weather elements, improved aesthetics, increased durability, reduced maintenance, and sometimes can improve a building's energy efficiency.

How do I choose the right cladding material?

Consider factors such as climate, desired appearance, maintenance requirements, budget, and the specific location and purpose of the building. Each material has its own advantages and suitability for different environments.

Is cladding installation a DIY job?

While some cladding materials may be suitable for DIY installation, it's often recommended to hire professionals for proper installation. This ensures correct attachment, weatherproofing, and adherence to safety standards.

How do I maintain cladding?

Maintenance varies depending on the material. Generally, regular cleaning with mild detergent and water, checking for damage or loose panels, and following manufacturer recommendations for maintenance should suffice. AlgoClear can be used for cleaning.

Does cladding help with energy efficiency?

Yes, certain types of cladding materials can improve a building's energy efficiency by providing additional insulation and reducing heat transfer, thereby potentially lowering heating and cooling costs.

Cladding F.A.Qs

Can cladding be installed vertically as well as horizontally?

Yes, cladding can be installed both vertically and horizontally, offering flexibility in design and aesthetic preferences. Vertical installation is often used for contemporary or modern designs, while horizontal installation is more traditional.

Can cladding be used to retrofit existing buildings for improved energy efficiency?

Yes, cladding can be used as part of a retrofitting strategy to enhance the energy efficiency of existing buildings. Adding insulation layers or reflective coatings to the cladding can help reduce heat transfer and improve overall building performance.

What are the benefits of using concealed fixing systems for cladding installation?

Concealed fixing systems offer a seamless appearance by hiding fasteners behind the cladding panels, resulting in a cleaner and more aesthetically pleasing finish.

How can cladding enhance the overall design and character of my home or building?

Cladding can dramatically transform the appearance of a building, adding depth, texture, and visual interest to exterior walls. By selecting the right cladding material and finish, you can create a cohesive design scheme that complements the architectural style of your property and reflects your personal taste.

What color options are available for cladding, and how can I choose the right color for my project?

Whiteriver cladding is available in 4 beautiful colours: Teak, Silver Grey, Walnut, and Ebony. When choosing a color, consider factors such as the surrounding environment, architectural style, and desired aesthetic impact.

Note: Please consult local building / fire regulations before planning or commencing installation.

Care & Maintenance

General Cleaning: Keep it clean and your Whiteriver composite will reward you with years of low maintenance pleasure. Periodic cleaning of Whiteriver composite decking is suggested, even if it appears clean, as it is important to prevent the build-up of pollen / debris that can cause mould. If unsure about the product being used to clean / remove stains from your deck, it is recommended that you test a small area in an inconspicuous place to determine if the product will cause any unwanted discolouration. Below is a more detailed instructions for taking care of your deck.

Dirt, grime and debris:

Clean your deck and cladding regularly to remove debris, pollen, and dirt. Use a soft non-metal deck brush, warm water and a mild household cleaner to scrub in the direction of the grain. Rinse thoroughly with a garden hose.

Mould, mildew algae etc:

Mould and mildew can appear on the deck surface due to decaying organic materials such as wood, leaf and pollen, along with elevated temperatures, air and water. Therefore, it is important to remove these materials as quickly as possible. Clean mould and mildew with warm soapy water. For decks with mould, use AlgoClear to clean and minimise growth. The occurrence of mould can be reduced by installing your decking with the required fall, as standing water will remain on the deck surface for a longer period of time than normal.

We recommend to clean your deck and cladding with AlgoClear®:

AlgoClear® is a concentrated cleaner used for soft-washing that removes discolourations and organic matter on hard surfaces. Ideal for algae, lichen, mould and biofilm on paving, patios, render, tarmac, artificial grass and sports surfaces. Does not contain bleach or ammonia. (Use a sprayer to apply)

Mix water 10:1 with AlgoClear and spray on area until it has a wet look. For full instructions on using AlgoClear, please visit our website.



Tannis / Stains:

Remove debris within the gaps of the deck to reduce the chances of tannins forming. Tannins can form when organic material gets stuck within the gaps of the deck and water starts to pool under it.

Oil, grease or food:

Promptly remove all oil, grease, and food spills. Use warm soapy water and a soft non-metal scrub brush to clean. For stubborn stains, use an all-purpose cleaner. Check with the manufacturer to determine which cleaners are appropriate for use on your deck.

Protection:

Use a mat under your BBQ to protect from grease stains and plastic

protectors under metal furniture or planters to prevent gouging and rust stains.

Water Marking:

Some water marking may occur on the surface of the Portland Collection after installation. Clean with a bristle deck brush and hot water to remove it.

Weathering:

Composite Decking may experience Extractive Bleeding, which can cause temporary discoloration of the deck. This will weather away in 10-12 weeks.

Snow and ice:

Whiteriver decks can become slippery in winter weather. Use calcium chloride or rock salt to melt snow and ice, but be careful of build-up leaving a white residue that can be removed with warm soapy water and a soft non-metal scrub brush.

Scratches and stains:

Use a wire brush or sanding with 80-100 grit sandpaper to remove scratches or difficult stains on the Portland Range. Repair time takes 8-10 weeks to blend back in with the rest of the deck. Do not sand Ultrashield Decking.

Masonry construction:

Cover the deck with a sheet of tarpaulin or construction grade plastic film during masonry construction, renovation, or painting to prevent mineral deposits from leaving a white or hazy residue on the deck surface. Ensure that masonry/cement construction is set properly before installing the decking material.

Irregular heat sources / fire:

Take extra caution with irregular heat sources such as fire pits, fireplaces, and barbecue grills, as composite decking has the tendency to retain heat, which may damage the deck surface.

Static:

Reduce static electricity on the deck with Heavy Duty Staticide, a non-toxic clear treatment residual substance.



COMPOSITE Outdoor Innovation

Discover all our premium ranges of composite decking

www.wrg.ie

UltraShield Walnut Decking and Teak Contemporary Cladding

View Online



Whiteriver

composite for living

Follow Us

Join our social media community for tips and discover new products.

 www.instagram.com/whiteriver_group

 www.linkedin.com/company/whiteriver-group



05/24

www.wrg.ie

Architects & Designers

Request our decking samples to hold the premium quality of a Whiteriver product in your hands to truly get a sense of the real colours and surfaces. Please feel free to get in touch and we would be delighted to help you with your project.

enquiries@wrg.ie / +353 (0) 41 686 1000



Keep me, or recycle me