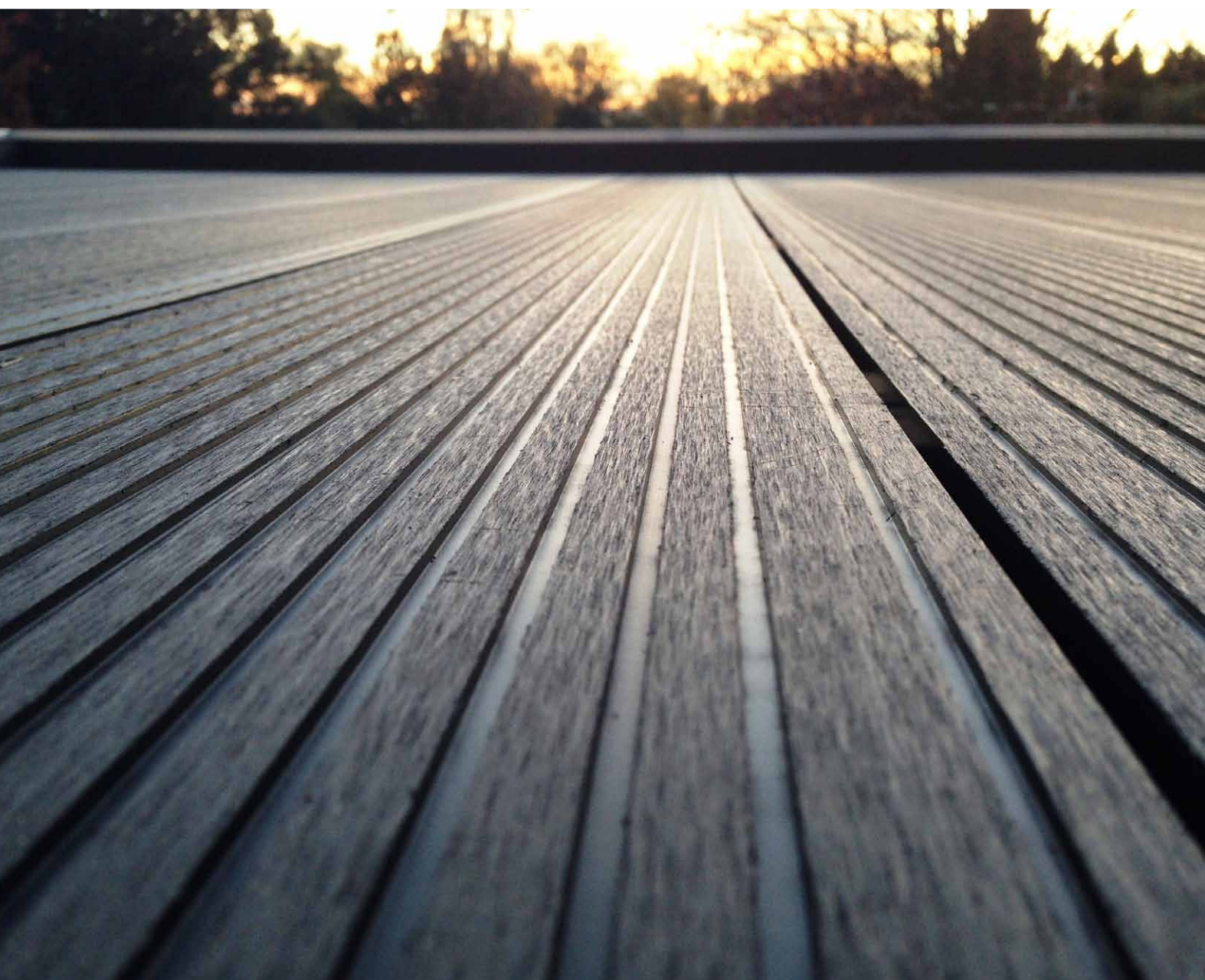


Decking & Landscaping Sector Product Guide

Decking

International
TIMBER 



Composite decking, pergolas and balustrading for domestic houses, commercial buildings, offices and caravan parks

...designed for the future

 Industrial  Rail  Marine  Decking  Cladding

duraTM
composites

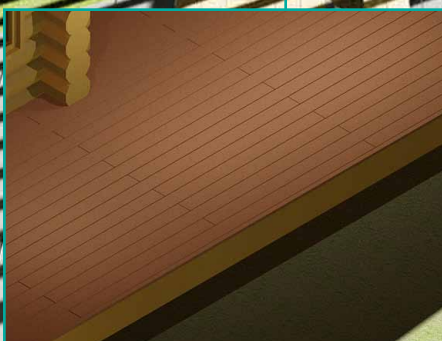
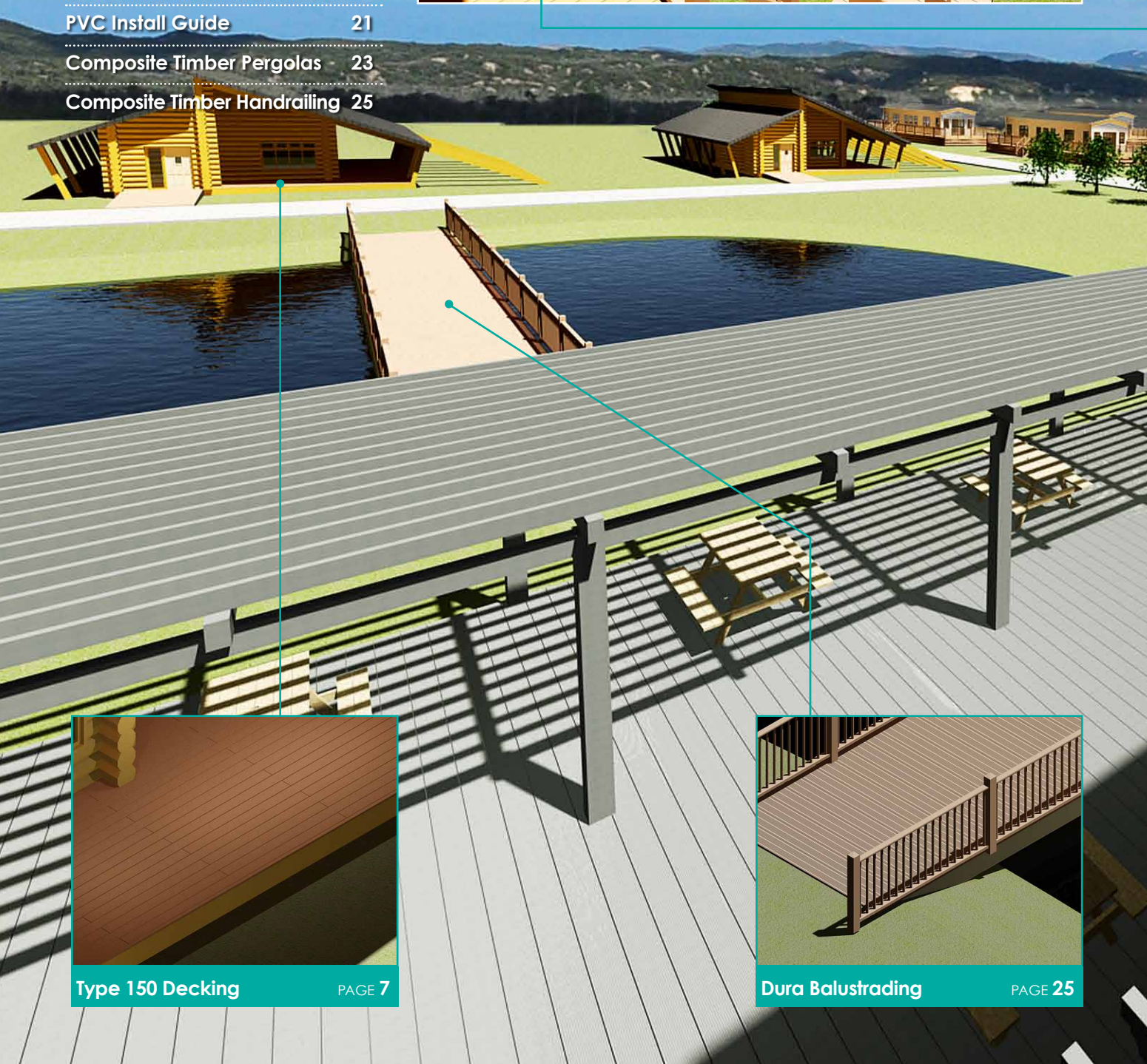


Contents

Composite Timber Decking	3
Product Range Selector	4
Type 146	5
Type 150 Natural	7
Type 225 Heavy Duty	9
Type 295	11
Essential Guide to Dura Deck	13
Install Guide	15
Modular Composite Tiles	17
PVC Decking	19
PVC Install Guide	21
Composite Timber Pergolas	23
Composite Timber Handrailing	25

Caravan & Lodge Decking

PAGE 19



Type 150 Decking

PAGE 7



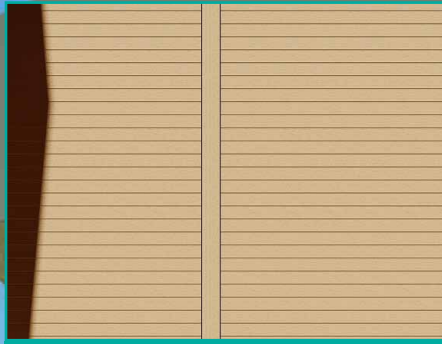
Dura Balustrading

PAGE 25



Type 146 Decking

PAGE 5



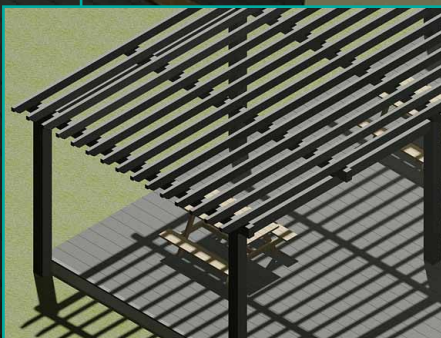
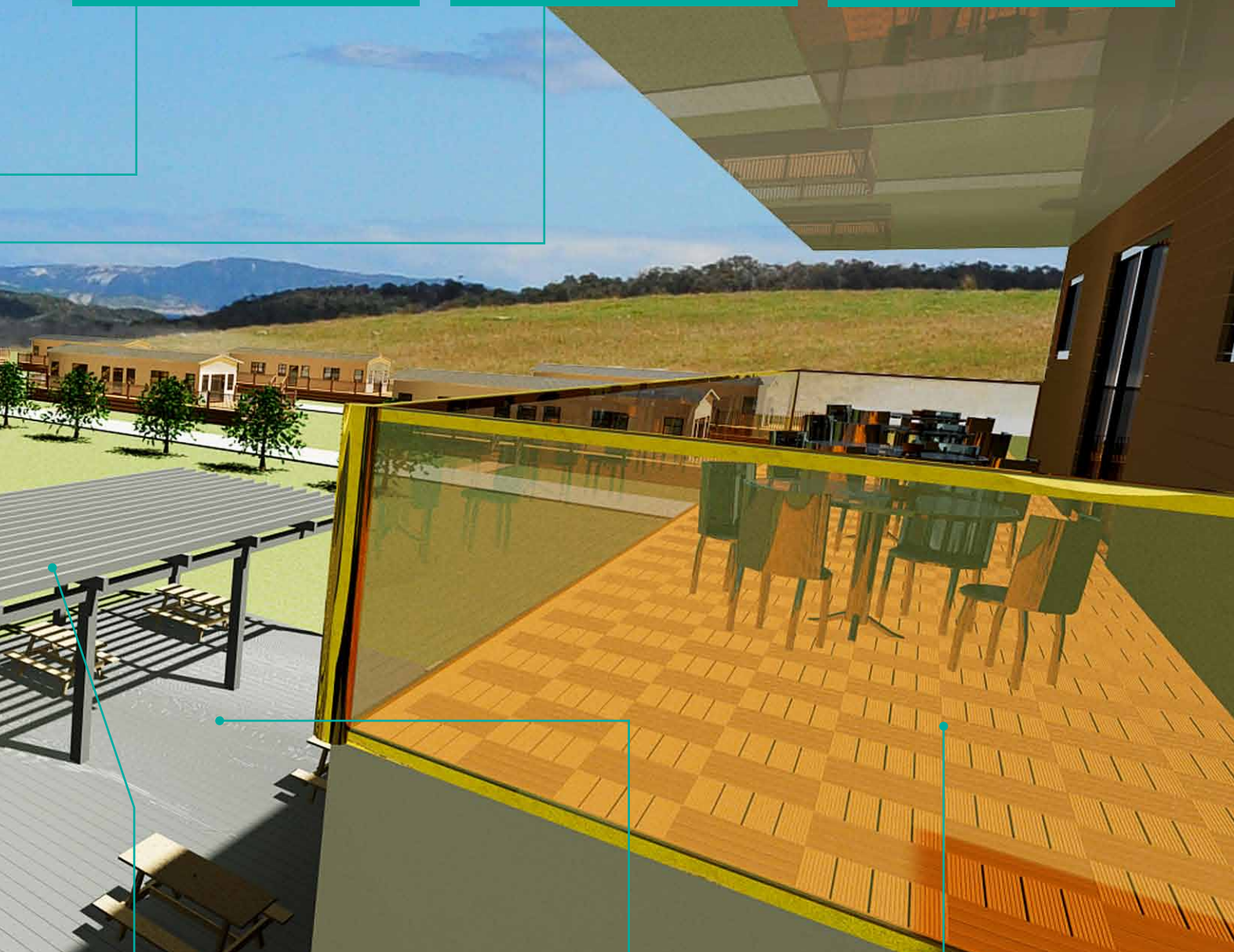
Type 140 PVC Park Deck

PAGE 19



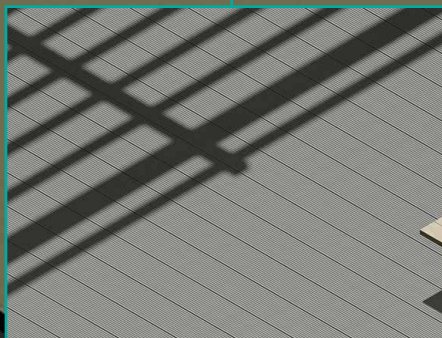
Type 295 Decking

PAGE 11



Dura Pergolas

PAGE 23



Type 225 HD Decking

PAGE 9



Dura Tile and Edging

PAGE 17

Introduction

Dura Composites Ltd. is a leading global supplier of high performance composite flooring, cladding and structures which are ideal for the landscaping, architectural, industrial, marine and rail sectors as a long-lasting and cost-effective replacement for wood, steel and concrete.



Dura Deck 225 Charcoal in use on a domestic terrace

Our UK Headquarters is dedicated to innovation and ensures that Dura Composites is always at the forefront of composite material technology. Our growing team have extensive knowledge and practical experience of timber composites, fibreglass reinforced plastic and other related emerging materials.

The range of products on offer is vast, from composite decking, balustrading and fencing through to floor walkway grating, lift risers and trench covers. All products are designed to offer a low life cycle cost thanks to their low maintenance requirements and long life expectancy.

Dura Composites' solutions are used by a wide range of customers – from global contractors to local landscapers. The Decking and Cladding ranges are available in the UK through International Timber and are 100% Forest Stewardship Council® (FSC®) certified.

Dura Composites' products are also available through a well-established global distribution network in the Middle East, Africa and Europe.

Vision

To be revered globally as experts in the creation and supply of breakthrough composite product solutions - offering a scalable, performance improving and cost-effective alternative to traditional materials.



Dura Composites Head Office

Mission Statement

To supply pioneering composite product solutions to real-world problems for customers in the industrial, rail, marine, landscaping & architectural sectors. We do this by focusing on continuous innovation, a relentless drive to understand the specific needs and operating environments of our customers and a commitment to exceptional service and care.

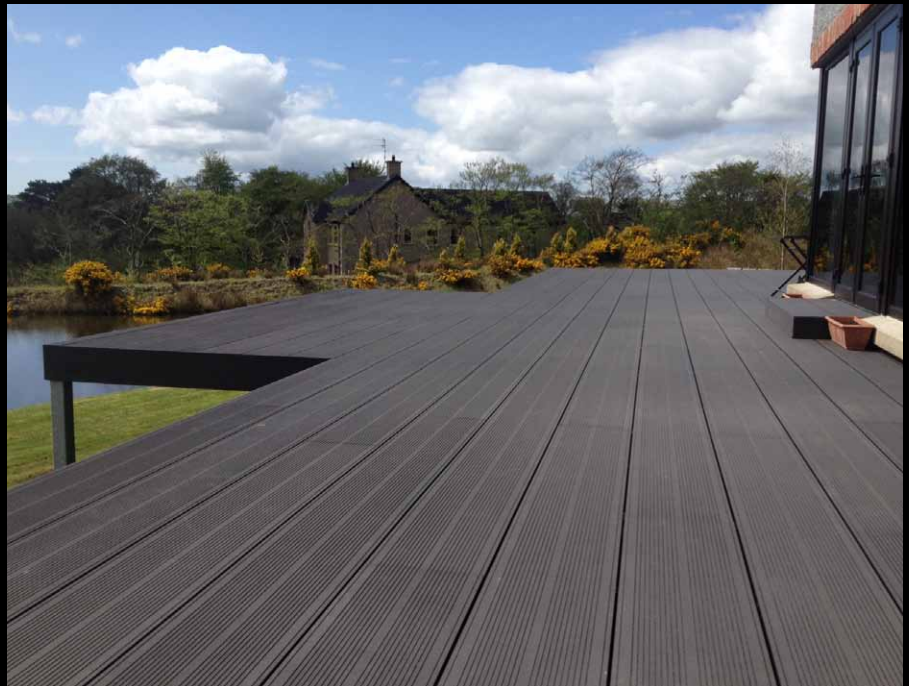
To help us achieve our strategic vision, we will harness our global network of highly satisfied, passionate and connected customers to drive awareness of Dura as the experts in composite product solutions.

We will also provide the leadership and support necessary to ensure that our employees are empowered, challenged, happy and rewarded - in recognition of the importance of their contribution to our continued growth and success.

Why Choose Composite?

Whilst timber has traditionally been used for decking, cladding and fencing applications, the emergence of Composite Timber has delivered a host of advantages over traditional materials and has led it to become the number one choice for landscapers, architects and specifiers looking for an attractive but futureproof solution. Strong and durable, Dura Deck, Dura Pergolas, Dura Tiles and Dura Balustrading look and feel just like natural wood, but provide a longer-lasting solution that is environmentally friendly, easy to install and requires minimal maintenance.

The majority of the Dura Composites landscaping range is manufactured from a unique combination of wood and plastic which creates a Composite Timber. This highly developed precise composition combines the traditional appearance of timber with the durability of an engineered composite. It results in a vibrant, long-lasting colour which will never rot and does not require staining or painting unlike traditional hardwood. The products are suitable for both domestic applications such as residential decking or balconies and for the most demanding commercial applications such as sun or poolside terraces, verandas, large scale decking areas and balustrading. For customers looking for a practical and accessible solution for their park home, caravan or lodge, our PVC deck product Dura Park Deck is another great low-maintenance choice and will retain its looks for years to come.



Type 295 Dura Deck in Charcoal makes a stunning raised deck



Dura Deck 295 Teak

Innovation

By listening to our customers and understanding their needs we have developed a range of products and accessories that add value throughout the supply chain. Our Composite Timber is manufactured by an extrusion process and uses a mix of recycled plastics and hardwood which are combined with bespoke additives to produce attractive and long-lasting results.

Lower Maintenance

Unlike traditional timber, Composite Timber from Dura Composites requires no staining, treating or painting and won't warp or rot. With only basic cleaning required, the product still looks new after years of use and remains cost-effective over its lifecycle.

Durable

Our Composite Timber is an immensely versatile material which combines the traditional appearance of timber with the durability and resilience of an engineered composite. We offer a 10 year warranty and all our products have an expected 25 years service life.

Attractive

The unique manufacturing process used to produce our Composite Timber allows for the creation of a wide range of attractive colours that can easily rival traditional timbers. The products are colour stable with only minimal initial weathering and are the eco-friendly choice, with up to 87% recycled materials and 100% Forest Stewardship Council® (FSC®) certification.

Composite Timber Decking

Dura Deck

Composite decking has a traditional wood appearance, long life span and is UV stable. Natural timber has been used extensively for decking for decades, however within years, the surface becomes water logged, and often algae forms, making traditional timber decking very slippery. Dura Deck composite decking is an attractive alternative to using timber materials for commercial or garden decking, patios & roof top garden environments.

Applications

- Hotel Terraces
- Boardwalks
- Balcony Decking
- Leisure Centres
- Patios
- Theme Parks
- Pool Decking
- Public Areas
- Roof Gardens and Terraces

Deck Profiles

Product	Board Type	Plank Thickness	Plank Length	Plank Width	Max Fix Span	Weight l/m kg	Weight length/kg	Board/ Pallet	Pallets/40ft Container	Weight/ Pallet kg
Type 146	Hollow	22mm	3660mm	146mm	400mm	2.85kg	10.43	132	17	1437
Type 146	Solid	22mm	3660mm	146mm	400mm	4.33kg	15.85	90	16	1487
Type 150	Hollow	22mm	3660mm	150mm	400mm	3.30kg	12.08	133	14	1606
Type 150	Solid									
In development										
Type 225	Hollow	30mm	3660mm	225mm	600mm	5.68kg	20.79	68	16	1474
Type 225	Solid	30mm	3660mm	225mm	600mm	8.99kg	32.90	44	16	1508
Type 295	Hollow	23mm	3660mm	295mm	500mm	6.03kg	22.07	66	16	1517
Type 295	Solid	23mm	3660mm	295mm	500mm	9.14kg	33.45	42	17	1465

Features

- Natural Wood Look
- Doesn't Rot, Splinter Or Warp
- 10 Year Warranty
- Concealed Fixings
- UV Colour Stable
- Grooved Boards
- Water Resistant
- 100% Certified FSC®

Benefits

- Aesthetically Pleasing
- No Painting & Staining
- Easy To Fit
- Prevents Trips And Falls
- No Painting, Staining Or Treating
- Slip Resistant
- Mould / Water Resistant
- Eco-Friendly

Material Specifications

Characteristics	Unit	Test Reference
Tensile Strength	15mpa	BS 6399
Impact Strengths	8Kj	ASTM D1037 - 93
Flexural Strength	3.15 Gpa	ASTM D1037 - 93
Flexural Strength after UV ageing (1000 hrs & rain)	3.13 Gpa	ASTM D1037 - 93
UV ageing test	Pass	ISO 4892 - 2
Density	1.4g/cm3	ISO 9001
24 hour Water Absorption	1.07%	ASTM D684
Flammability Resistance (Standard product)	Euro Class Dfl-S1	BS EN 13501-1
Flammability Resistance (Fire Retardant product)	Euro Class Bfl-S1	BS EN 13501-1
Thermal Expansion	3.882 E-05 (K-1)	ISO 9001
Weather Ability	No Damage @ 100 cycles	MOAT 22
Frost Resistance	No Damage	DD CEN/TS 772-22:2006
Environmental Carbon Footprint	0.788KgCO2/Kg (Dura Deck Type 295)	CERAM, Carbon Footprint Report
Colour Stability	± 1.8 in L*a*b*	NPL Traceable 2006 Scale
Sustainability	FSC® Certification	FSC® 100% Certification
Stiletto heel load/penetration resistance	2.09kN	CERAM, 9.5 Steel Indenter Test

Anti-Slip Resistances

Composite Timber Decking										PVC Decking
Slip Resistance Values - BS7976*		Type 146	Type 146	Type 150	Type 150	Type 225	Type 225	Type 295	Type 295	Type 140
Direction	Condition	Grooves	Smooth	Woodgrain	Grooves	Grooves	Wood Pattern	Large Grooves	Smooth	Wood Pattern
Longitudinal	Dry	● 38	● 42	● 46	● 40	● 39	● 41	● 34	● 42	● 52
Transverse	Dry	● 63	● 56	● 48	● 49	● 68	● 56	● 74	● 56	● 53
Diagonal	Dry	● 49	● 46	● 52	● 58	● 46	● 50	● 53	● 46	● 55
Longitudinal	Wet	● 22	● 33	● 29	● 33	● 26	● 31	● 26	● 33	● 42
Transverse	Wet	● 45	● 38	● 32	● 36	● 63	● 40	● 60	● 38	● 39
Diagonal	Wet	● 38	● 40	● 36	● 42	● 32	● 35	● 37	● 40	● 48

*(4S Rubber Slider) Pendulum Test Values (PTVs) ● Low Slip Potential (36+ PTV) ● Moderate Slip Potential (25-35 PTV) ● High Slip Potential (0-24 PTV)



The mark of responsible forestry

Product Range Selector

Dura Deck is available in a range of widths and surface finishes to suit every project need. Our narrower boards (Type 146, 150) have a more traditional appearance and most closely resemble natural wood planks. However, if your priority is maximising the speed of installation then one of our wider boards (Type 225, 295) may be more suitable. All Dura Deck WPC boards are reversible to allow the installer to choose from two attractive finishes. For times when you need to cut boards to specific sizes whilst maintaining core strength, we also offer solid section profiles. The table below will help you choose the most suitable product for your requirements:

Composite Timber Decking				PVC Decking
Type 146	Type 150 Natural	Type 225	Type 295	Type 140
Grooved on one side Sanded smooth on reverse	Grooved on one side Deep embossed woodgrain on reverse	Grooved on one side Light woodgrain effect on reverse	Large grooves on one side Sanded smooth on reverse	Single sided surface with light woodgrain effect
Fascia Board Size 230x9mm	Fascia Board Size 140x10mm	Fascia Board Size 230x9mm	Fascia Board Size 230x9mm	Fascia Board Size N/A
Solid Board Available Yes	Solid Board Available No	Solid Board Available Yes	Solid Board Available Yes	Solid Board Available No
Maximum Span 400mm	Maximum Span 400mm	Maximum Span 600mm	Maximum Span 500mm	Maximum Span 400mm
Gap Between Boards 6mm	Gap Between Boards 4.5mm	Gap Between Boards 6mm	Gap Between Boards 6mm or 10mm (dependent on fixing clip used)	Gap Between Boards None
Anti-Slip (Dry Conditions) Low Slip Potential	Anti-Slip (Dry Conditions) Low Slip Potential	Anti-Slip (Dry Conditions) Low Slip Potential	Anti-Slip (Dry Conditions) Low Slip Potential	Anti-Slip (Dry Conditions) Low Slip Potential
Anti-Slip (Wet Conditions) Low Slip Potential	Anti-Slip (Wet Conditions) Low Slip Potential	Anti-Slip (Wet Conditions) Moderate Slip Potential	Anti-Slip (Wet Conditions) Low Slip Potential	Anti-Slip (Wet Conditions) Low Slip Potential
Plank Strength MEDIUM	Plank Strength MEDIUM	Plank Strength HIGH	Plank Strength MEDIUM	Plank Strength MEDIUM
Install Speed MEDIUM	Install Speed MEDIUM	Install Speed FAST	Install Speed VERY FAST	Install Speed VERY FAST
Recycled Content 87%	Recycled Content 85%	Recycled Content 87%	Recycled Content 87%	Recycled Content N/A
Typical Applications Modern Residential	Typical Applications Traditional Residential	Typical Applications Residential, Commercial, Public Sector	Typical Applications Modern Residential, Light Commercial	Typical Applications Static Caravans, Marine & Leisure Environments
Colours Charcoal Teak	Colours Ash Oak	Colours Charcoal Teak	Colours Charcoal Teak	Colours Slate Grey Coffee
Quantity per pallet 132 boards (hollow) 90 boards (solid)	Quantity per pallet 133 boards (hollow) Solid n/a	Quantity per pallet 68 boards (hollow) 44 boards (solid)	Quantity per pallet 66 boards (hollow) 42 boards (solid)	Quantity per pallet 154 boards



Type 146

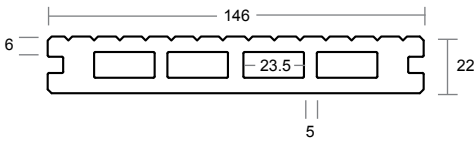
Dura Deck Type 146 is available in Teak and Charcoal and looks and feels just like natural wood. Dura Composites unique Composite Timber formula produces a longer lasting decking that is environmentally friendly, easy to install and requires minimal maintenance.

Our innovative subsurface fixing system means no nails or screws need to go through the deck itself, creating a smart, uniform and barefoot friendly deck.



Type 146 Teak in use at Kids Play Centre, Dubai

Dimensions

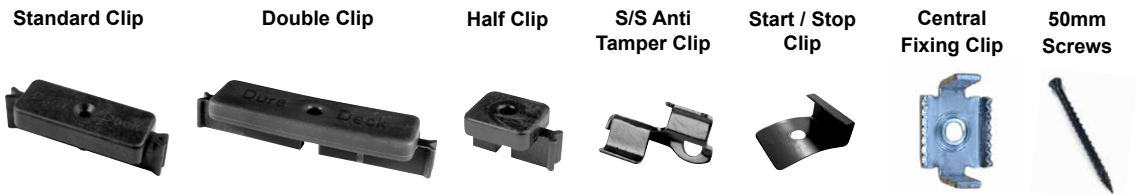


All measurements are in millimetres



Fixing clips Type 146

See page 15-16 for more fixing details





Type 150 Natural

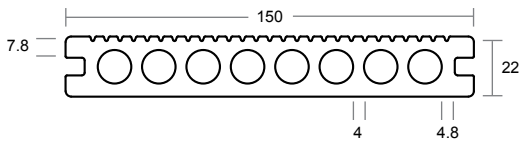
Dura Deck Type 150 is ideal for those looking for a traditional appearance for their decking area. Available in Oak and Ash, it has a deep embossed woodgrain on one side and is grooved on the reverse for maximum versatility. Available in lengths up to 3.6m, it is easy to install, requires minimal maintenance and looks and feels just like natural wood.

Please note that Type 150 Dura Deck uses different fixing clips and screws to that of the Type 146, 225 and 295. Please therefore remember to use the appropriate clips for your chosen deck boards. In scenarios where butt-jointing is needed, please ensure that double joists are used to accommodate fixing clips for each board.

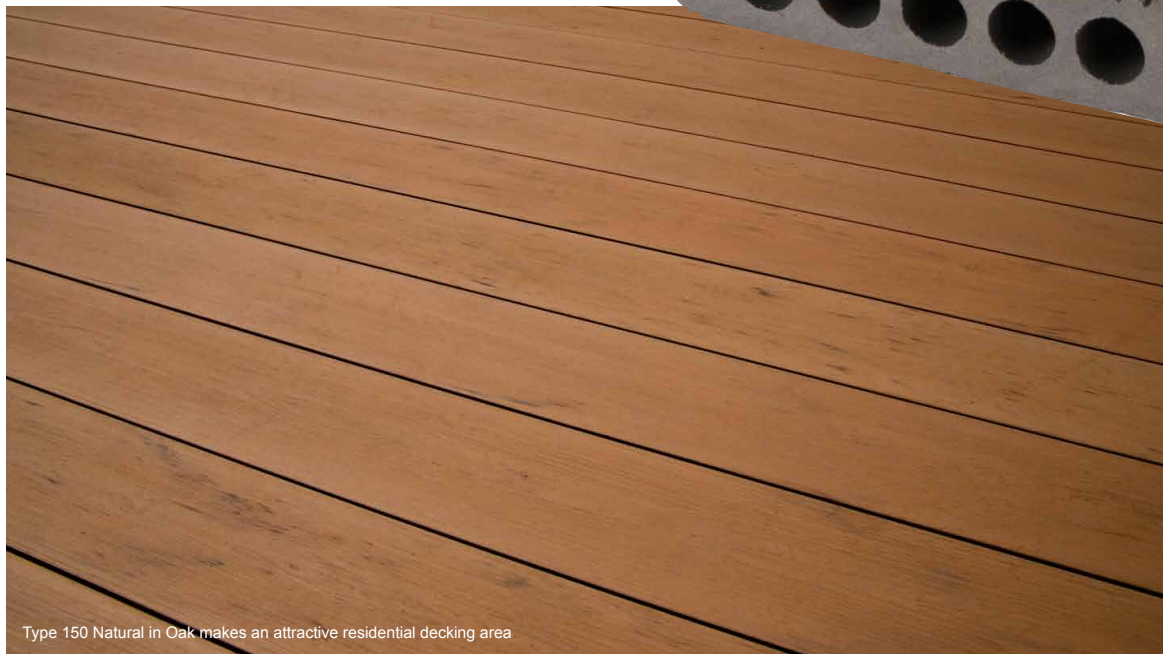


Dura Deck Type 150 Natural helps harmonise indoor and outdoor spaces

Dimensions



All measurements are in millimetres



Type 150 Natural in Oak makes an attractive residential decking area

Fixing clips Type 150

See page 15-16
for more fixing details

Central
Fixing Clip



Standard
Fixing Clip



Start & Stop
Fixing Clip



For fixing, Dura Deck Type 150 can be supplied with 25mm A4 316 stainless steel screws



Type 225 Heavy Duty

Dura Deck Type 225 is available in Charcoal and Teak colours and is ideally suited to commercial applications such as public walkways and leisure complexes thanks to its heavy duty performance.

Dura Deck will not split, splinter or rot and is extremely dimensionally stable. It requires minimal maintenance and needs no painting or staining over the course of its lifetime. It also has a high resistance against environmental impacts such as fungal or mould attacks.

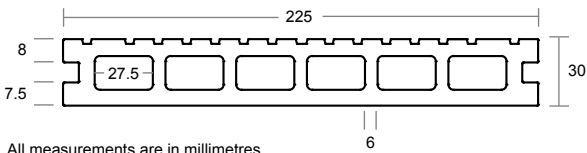


Type 225 Heavy Duty in Charcoal can be cut to many different decorative floor pattern designs

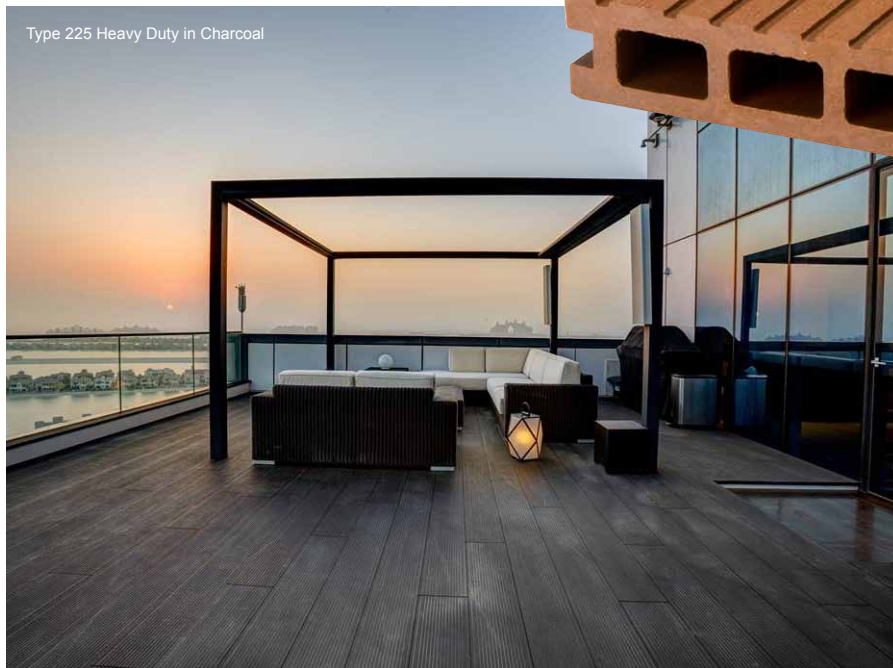
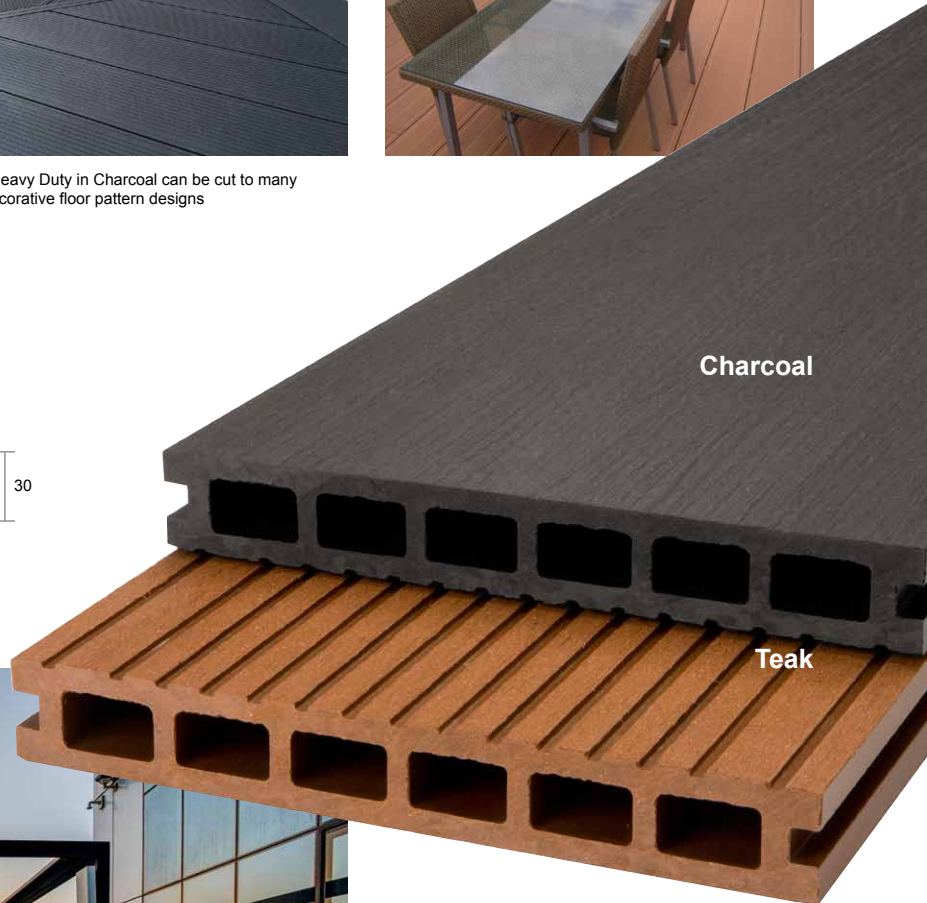
Type 225 Heavy Duty in Teak on a rooftop terrace



Dimensions



All measurements are in millimetres



Type 225 Heavy Duty in Teak is ideal for dining areas with a heavy footfall



Fixing clips

Type 225

See page 15-16 for more fixing details

Standard Clip



Double Clip



Half Clip



Start / Stop Clip



Central Fixing Clip



50mm Screws





Type 295

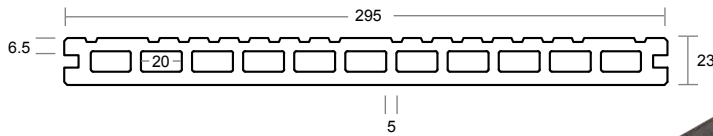
Dura Deck 295 is an ideal solution for public areas such as parks, outside refreshment bars, walkways, verandas, promenades, balconies, bridges, orangeries, patios and pool decking. Available in both Charcoal and Teak, the boards have larger grooves on one side and are sanded smooth on the reverse so you can choose the finish that best suits your project. Dura Deck 295 is made from double width boards which can halve installation times and provides a resilient and lasting decking solution.



Type 295 Teak is an ideal choice for public areas



Dimensions



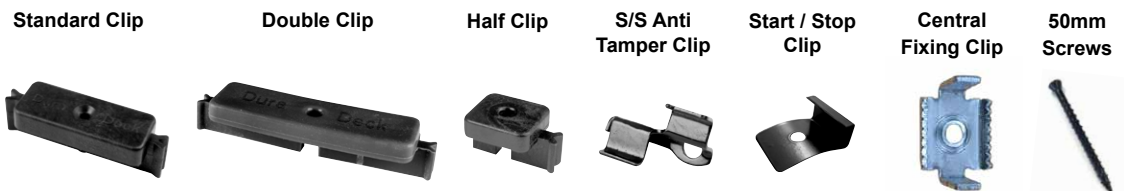
All measurements are in millimetres



Type 295 Teak used in a Hotel's leisure area, Dubai

Fixing clips Type 295

See page 15-16 for more fixing details



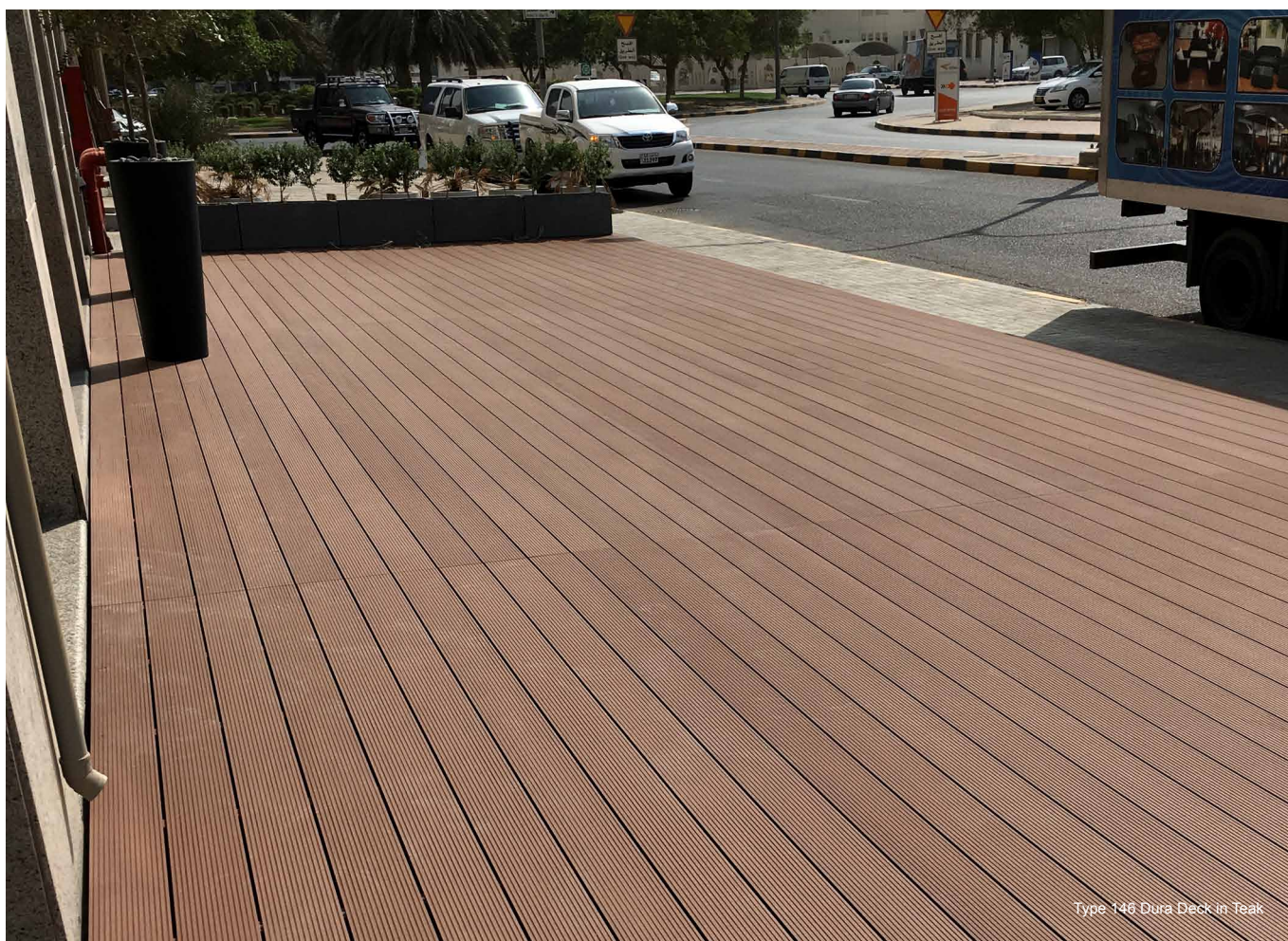
Our Essential Guide to Getting the Most From Your Dura Deck

Whether you're planning a commercial or residential decking project, Dura Composites has a durable, simple to install, cost-effective and environmentally friendly solution to help maximise the use of outdoor space in all seasons.

Our high-performance composite decks combine fade-resistance with outstanding durability and mean you can spend less time maintaining your deck and more time enjoying it. To ensure you get the best results, we recommend working with a professional contractor with previous decking installation experience. Please ensure that the guidance provided below and in our supporting Technical Install Manual are strictly adhered to as improper installation (including the use of non-approved trims, fixings and accessories) will invalidate your product warranty.

To activate your product warranty after purchase, please complete the online form at www.duracomposites.com/warranty/

When planning your Dura Deck, please bear in mind the key considerations opposite.



Type 146 Dura Deck in Teak



To download the Dura Composites detailed Technical Manual, please visit:
www.duracomposites.com/decking/composite-decking/install-technical-manual/

1. Safety First



Before installing any decking product, you should review local building codes and regulations, and consult with local building officials to ensure compliance

and safety. Wear protective clothing and safety equipment where necessary such as safety glasses, gloves, dust masks and long sleeves, particularly if

cutting in confined spaces. Refer to the operator's manuals for safety guides for all power tools used.

2. Storage and Handling



To ensure the best performance of our products, it is vital that proper care and attention is given to storage and handling of materials. Please ensure you adhere to the following guidance:

- Store the products on a flat and level surface in their original packaging until you are ready to install them.
- If stored outdoors the products must be kept in a covered area to prevent exposure to direct sunlight and weathering.
- Take care to ensure that boards are not stacked adjacent to sources of moisture.
- Professional fork lifts should always be used while uploading and discharging pallets. Pallet stacking should not exceed 4 pallets maximum.

3. Choose the Right Product for Your Needs



Our narrower boards can look more traditional as they more closely resemble natural wood boards (Type 146, 150). However, if your priority is to make installation speed as quick as possible, then choose one of our wider boards (Type 225, 295). Our Type 150 and

225 boards also offer the option of a wood grain surface finish, whereas our Type 146 and Type 295 deck boards are available in our standard attractive finish. For commercial or public areas always select Type 225 for its more heavy duty construction and thicker depth.

Be aware that very large or raised decks may require planning permission. Raised decks should not be built with the deck level more than 600mm above ground level without specialist advice.

4. Thermal Expansion and Contraction



Extremely warm or cold outdoor temperatures play a significant role in the installation and performance of all decking products. Following the detailed installation instructions in our supporting Technical Manual

will help manage and reduce the effects of thermal expansion and contraction. Please refer to the gap guide in our Technical Manual to ensure your boards have adequate space for expansion and contraction and

to preserve the service life of your decking. Please ensure that you allow Dura Deck to acclimatise to the exterior temperature before cutting and installing.

5. Care & Maintenance



Once you have completed the install of your Dura Decking, we advise that the decking is either washed down thoroughly with a yard broom or pressure washed to ensure that a good clean surface is ready for you to enjoy.

Basic Cleaning

Spray with hose to remove surface debris. Use warm soapy water and a soft bristled brush to clear dirt and/or debris from grooves/contours.

Pressure Washing

Pressure washers up to 1500psi may be used to maintain cleanliness of your Dura Deck. In order to prevent any damage, always keep the pressure washer nozzle at least 15cm (6 inches) from the surface, and avoid concentrated spraying on one area for more for more than 3 seconds.

Getting started - Our Simple Install Guide

Dura Composites' innovative subsurface fixing systems means no nails or screws need to go through the deck itself, creating a smart, uniform and barefoot friendly deck. Our unrivalled range of fixings cater for a wide range of installations in different environments. Our expert team and downloadable Installation and Technical Manual can provide further guidance on appropriate use of these fixing solutions and screw types.

Surface Fixing System

Type 146/225/295

(Please ensure 50mm screws are used)



Start-Stop fixing preparation



Start-Stop fixing with plank now in position



Standard fixing clip in position, ready to fix

Composite Bearers



102mm or 25mm bearers are available meaning that a full composite solution can be specified in place of wooden bearers

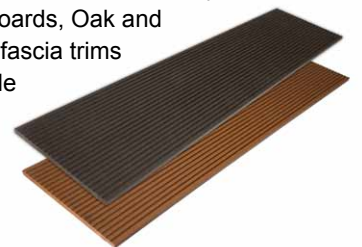
End Caps



End caps can be used to seal board edges in areas where decking edges are exposed.

Fascia Trims

Our fascia trims are available in Teak and Charcoal as standard to suit Type 145, 225 and 295 decks. For Type 150 deck boards, Oak and Ash colour fascia trims are available on request.



Ancillary Profiles

Product	Thickness	Plank Length	Width	Max Span	Weight l/m kg
Decking Bearer	25mm	up to 2800mm	40mm	Non loading bearer	1.00kg
Decking Bearer	102mm	up to 3660mm	50mm	600mm	3.65kg
Fascia Trim	9mm	up to 3660mm	230mm	Infill only	2.88kg
Fascia Trim	10mm	up to 3660mm	140mm	-	1.94kg

Simple installation

Type 150

Type 150 Dura Deck uses different fixing clips and screws to that of the Type 146, 225 and 295. Please remember to use the appropriate clip for your deck. Always screw the Type 150 Start/Stop Clip through the centre and on top of bearers as shown in the drawing on the right.

In scenarios where butt-jointing is needed, please ensure that double joists are used to accommodate fixing clips for each board.

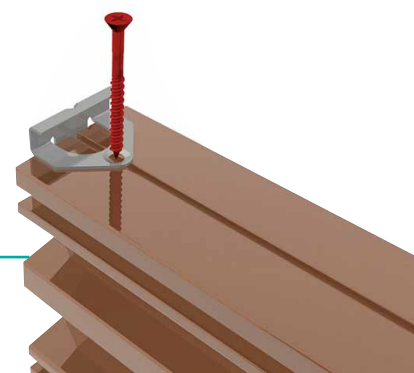
Start & Stop Fixing Clip



Standard Fixing Clip

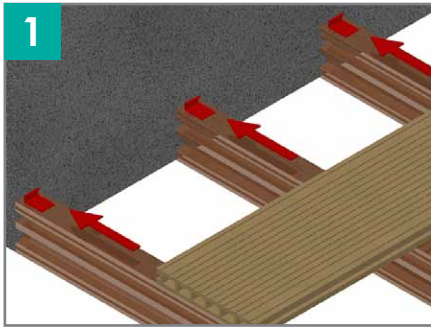


25mm Screws

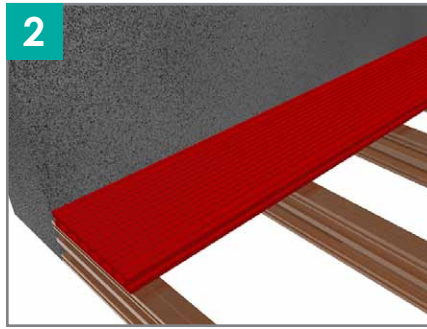


Simple installation

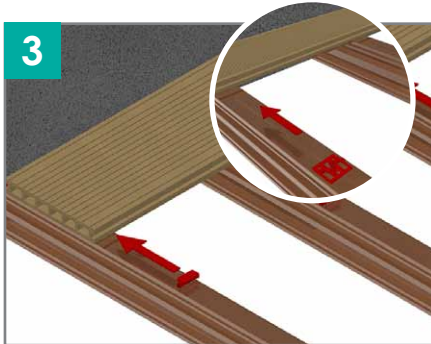
Type 146/225/295



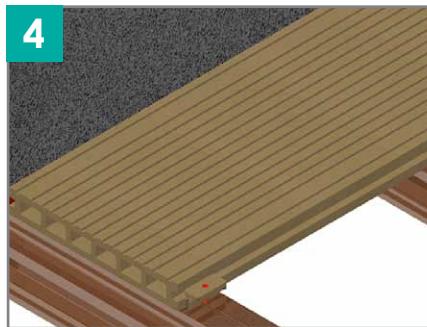
Step 1: Screw Start/Stop Clips into place on bearers to hold first board in position. Affix on each bearer.



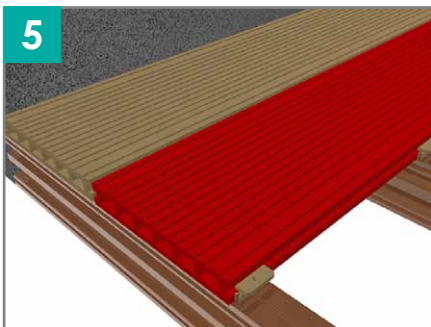
Step 2: Push the first board against the clips, making sure that the clip holds the deck board securely.



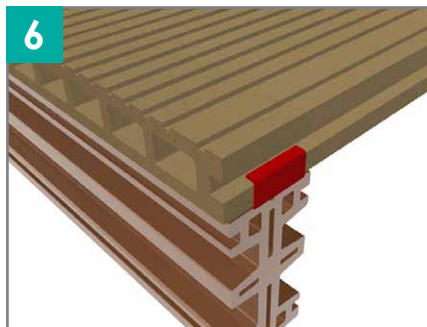
Step 3: Insert Standard Clips on each bearer. Push Clips into the side slot of the deck board ready to screw. (use of Type 150 Standard Clips shown in insert image).



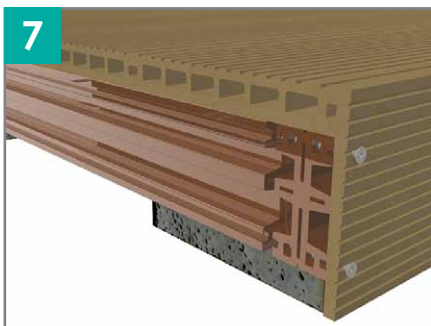
Step 4: Screw down the Standard Fixing Clips. Make sure they "pinch" but are not over tight.



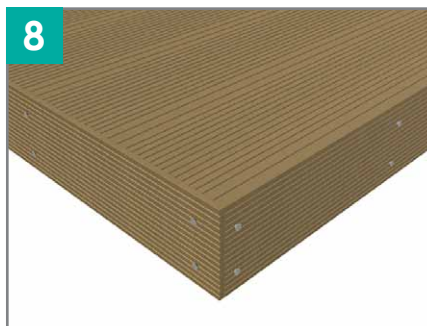
Step 5: Push the next board into place and repeat. Please ensure that you check for accurate alignment of the boards each time.



Step 6: For the last board on the deck, use one Start/Stop Clip per bearer.



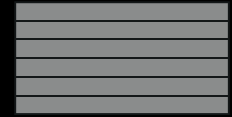
Step 7: Use fascia boards for a great looking finish. Screw into joists /bearers or substrate structure. Do not screw directly into the face of hollow boards.



Step 8: Your new low maintenance Dura Deck is ready to enjoy.

Sample Designs

With Dura Deck the design possibilities are endless. Choose from vertical, framed, diagonal or herringbone patterns. Some examples are shown here to inspire your imagination.



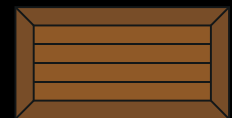
Horizontal



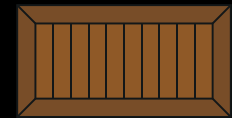
Vertical



Diagonal



Framed Horizontal



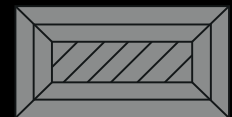
Framed Vertical



Framed Diagonal



Diamond Insert



Double Framed



Herringbone



Parquet



To download the Dura Composites detailed Technical Manual, please visit:
www.duracomposites.com/decking/composite-decking/install-technical-manual/

Modular Composite Tiles

Dura Tile

Dura Tile composite decking tiles can be laid in two directions to create a unique pattern. The interlocking tiles are easy to lay and large areas can be installed quickly as no bearers or fixings are required. Edge trims clip to the sides and corners of the outer row of tiles to provide a smooth, safe, angled transition between the tile and the floor surface.

Applications

- Hotel Terraces
- Boardwalks
- Balcony Decking
- Leisure Centres
- Patios
- Theme Parks
- Pool Decking
- Public Areas
- Roof Gardens and Terraces

Features

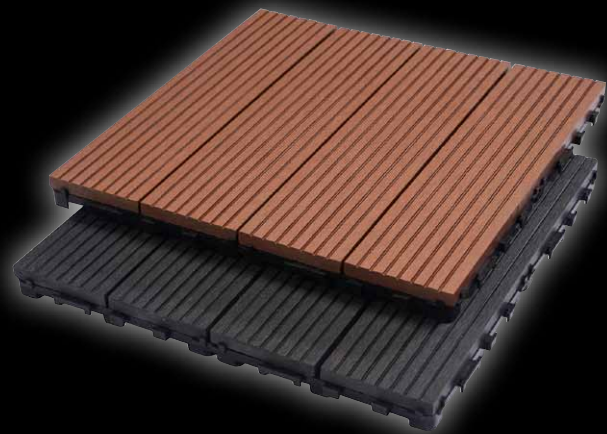
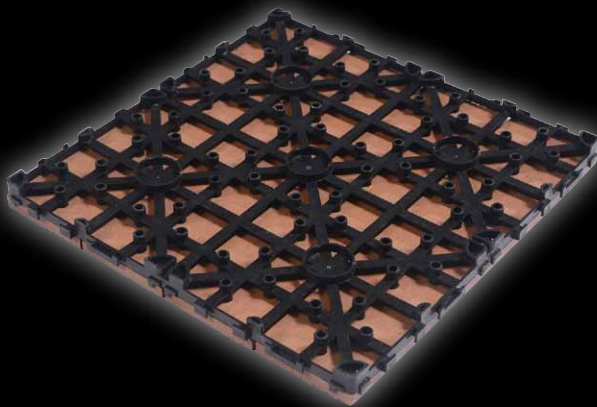
- Natural wood look
- Low maintenance
- Long Lifespan
- Concealed fixings
- No splintering
- UV / Colour stabilised
- Slip resistant
- Mould resistant
- Water resistant

Benefits

- Does not split, splinter or rot
- Anti-slip qualities greater than timber and dries quickly
- Can be jet washed when necessary
- Can be sanded to remove stains
- Retains natural timber appearance with minimal maintenance
- Needs no staining, oiling or painting
- Minimal moisture absorption
- Fast replacement of old timber decking

Dura Tiles have an innovative base to facilitate perfect positioning and ensure even load distribution

Available in Teak and Charcoal



Technical Specifications

Product	Thickness	Length	Width	Weight per tile	Per box
Dura Tile	23.4mm	305mm	305mm	1.36kg	9
Corner Edge Ramps	23.4mm	367mm	77mm	0.43kg	12 (6 left & 6 right)
Straight Edge Ramps	23.4mm	295mm	77mm	0.39kg	15

Straight Edge Ramps



Corner Edge Ramps

Dura Tiles are interlocking so no additional fixings are needed. Care should be taken to ensure the product is laid onto a flat surface such as an existing patio or hardstanding.



For more information on Dura Tiles please visit:
www.duracomposites.com/decking/composite-decking-tiles/

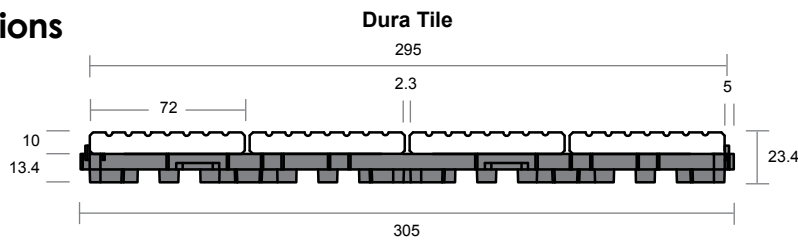
**FAST
INSTALL
TIMES**



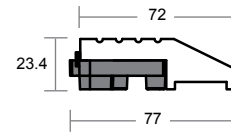
The mark of responsible forestry

Dura Tiles are quick and easy to fit and can be supplied with straight and corner edge trims for a neat and attractive finish.

Dimensions



Straight / Corner Edge



All measurements are in millimetres



Both Teak and Charcoal produce a dramatic effect



Dura Tiles are also suitable for temporary applications



Dura Tile in Teak on a residential balcony



PVC Decking

Dura Park Deck

Dura Park Deck offers an attractive, low-maintenance PVC decking solution for park homes, caravans and lodges and can help create the perfect outdoor living space. Available in stylish Coffee or Slate Grey, Dura Park Deck has excellent anti-slip properties and helps ensure that you maximise the investment in your park home by allowing it to remain accessible all year round. Waterproof and stain resistant, Dura Park Deck requires virtually no maintenance and is lightweight and easy to install. The stunning high tech ASA surface finish has outstanding scratch resistance and has the appearance of natural wood, but unlike wood, it won't warp, rot or fade with sunlight.

Applications

- Park Homes
- Caravans
- Lodges
- Beach Areas
- Verandas
- Leisure Complexes

Features

- Natural Wood Look
- No Rotting or Warping
- UV Colour Stable
- Water Resistant
- Concealed Fixings
- 10 Year Warranty

Benefits

- Aesthetically Pleasing
- Long-Lasting
- No Painting or Staining Needed
- Prevents Slips Trips & Falls in All Weathers
- Barefoot Friendly
- Futureproof Solution with Expected 25 Year Service Life

Deck Profiles

Product	Plank Thickness	Plank Length	Actual Plank Width	Maximum Fixing Span	Weight l/m
Type 140 Park Deck	26mm	2440mm	140mm	400mm	2.02kg
Type 140 Park Deck	26mm	3660mm	140mm	400mm	2.02kg



Type 140 Park Deck in Slate Grey

Material Specifications

Characteristics	Unit	Result	Test Reference
Tensile Strength	MPa	42.0	BS-6399
Flexural Strength	GPa	4.0	ASTMD1037-93
Impact Strength	KJ/M2	7.6	ASTMD1037-93
Density	g/cm3	1.49	ASTMD792
Thermal Expansion	/K	3.91	ASTM696
24h Water Absorption	%	0.1	ASTM D 570
Flammability Resistance	/	Bfl-S1	BS EN13501-1
Shore Hardness	D	78	GB/T2411-2008
Nail Holding Strength	N	1800	GB/T11718-1999

Anti-Slip Resistances

Slip Resistance Values – BS7976 (4s Rubber Slider)		Type 140 Dura Park Deck
Direction	Condition	Face of Plank
Longitudinal	Dry	● 52
Transverse	Dry	● 53
Diagonal	Dry	● 55
Longitudinal	Wet	● 42
Transverse	Wet	● 39
Diagonal	Wet	● 48

Pendulum Test Values (PTVs)

- Low Slip Potential (36+ PTV)
- Moderate Slip Potential (25-35 PTV)
- High Slip Potential (0-24 PTV)

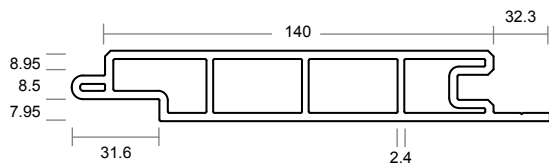
Dura Park Deck Type 140 has been developed primarily for mobile home or lodge verandas and for balconies or other small decking areas.

Product Selector

Dura Park Deck is available in two versatile colours to suit a broad range of leisure environments.

Installation is simple as fixings are hidden beneath the deck surface, leaving a tidy screw-free finish free which is safe to walk on even in bare feet.

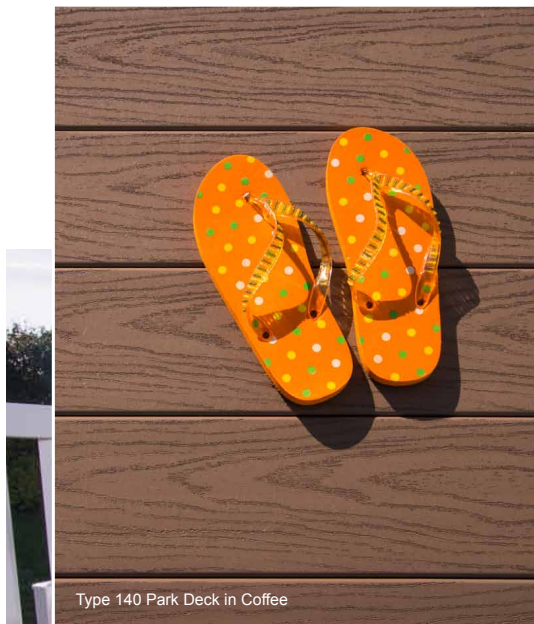
Dimensions



All measurements are in millimetres



For fixing, Dura Park Deck can be supplied with 25mm A4 316 grade stainless steel screws.



Dura Park Deck has a durable anti-slip PVC woodgrain effect and has no gaps between boards.

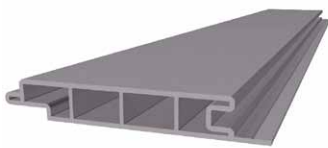
Getting started - Our Simple Install Guide

Dura Park Deck from Dura Composites is a decking product made entirely from PVC with no wood or organic fibres. Available in stylish Coffee or Slate Grey, Dura Park Deck has excellent anti-slip properties and helps ensure that you can enjoy your deck, whatever the weather.

To ensure you get the best results, we recommend working with a professional contractor with previous decking installation experience. Please ensure that the guidance provided below and in our supporting Technical Install Manual are strictly adhered to as improper installation (including the use of the use of non-approved trims, fixings and accessories) will invalidate your product warranty.

Dura Park Deck Components

Dura Park Deck can be easily installed using the following components:



Dura Park Deck Type 140 Plank



C-Channel or Cover Trim



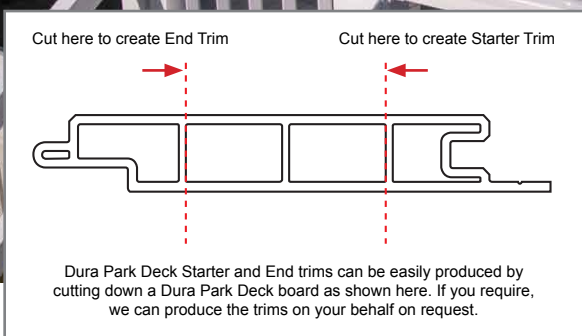
Starter Trim (can be supplied ready, or self-produced by cutting down a Dura Park Deck board).



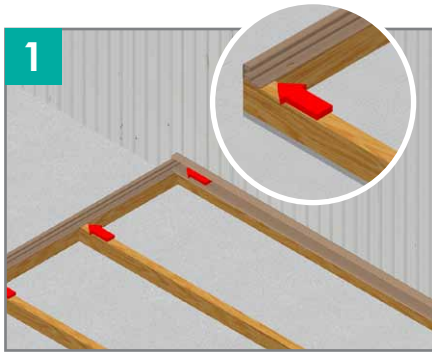
End Trim (can be supplied ready, or self-produced by cutting down a Dura Park Deck board).



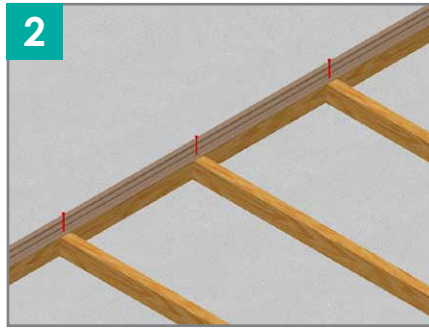
Type 140 Park Deck in Slate Grey used on static caravan veranda



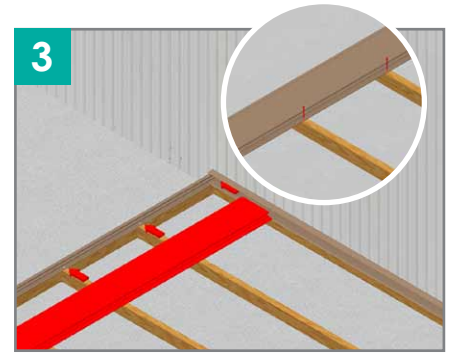
Simple installation



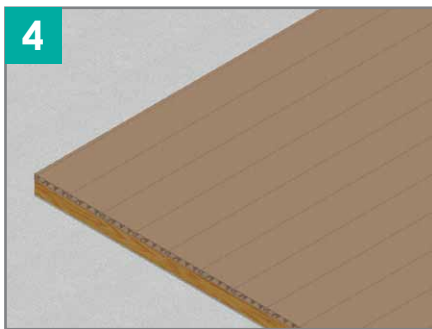
Step 1: Place the Starter Trim flush and square with the edge of the first joist or bearer.



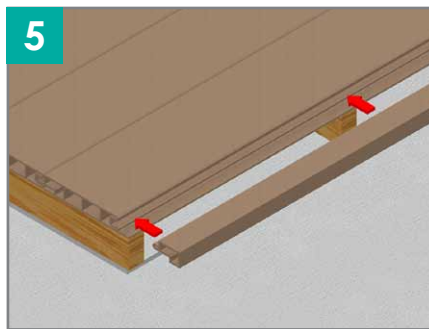
Step 2: Fasten the Starter Trim using a 25mm A4 316 grade stainless steel screw placed into each of the pre-drilled holes of the trim.



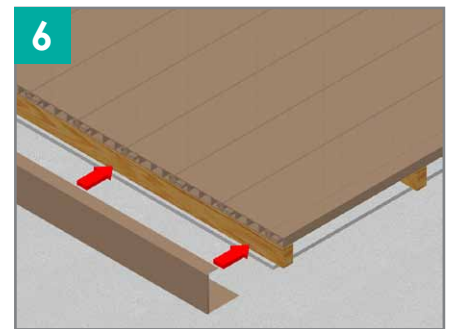
Step 3: Using the pre-drilled holes, fix the first Dura Park Deck board into the bearers at each 400mm point, ensuring that you screw into at least every other pre-drilled hole as a minimum. Please note that you may need to trim the board length in order to ensure that the holes align with the bearers.



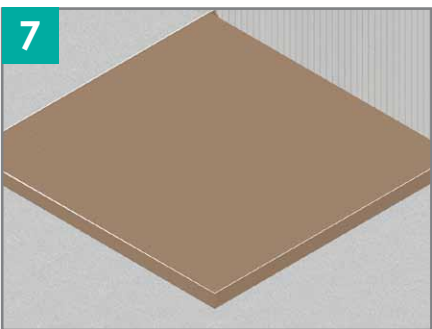
Step 4: Repeat the previous step for each consecutive Dura Park Deck board until you reach the last board. Cut the last board to width by ripping down on a table saw or skill saw. If your last board is not a full board and therefore an end trim cannot be used, you can use the C-Channel or Cover Trim to cover your exposed edge and either screw down or affix with a suitable bonding agent.



Step 5: Fasten the last Dura Park Deck board through the pre-drilled edge. Repeat this process every 400mm along the outer joist edge. If using an End Trim, affix using suitable bonding agent.



Step 6: Option A for Edge Trim
You now need to install the deck board trim edging. The C-Channel or Cover Trim will snap into place over the ends of the exposed deck boards, and the edge of the last Dura Park Deck board installed. Screw trim edging as shown.



Step 7: Tightly fasten the trim edging to the deck boards from underneath using 25mm A4 316 grade stainless steel screws, one screw in each screw hole. Where the trim pieces meet, add additional screws from underneath the deck board, locating a screw 20mm from the corner on both sides of the joint to help manage the expansion and contraction of the material.

Step 8: Option B for Edge Trim
If your preference is to integrate your PVC Dura Park Deck with an existing PVC Balustrade, you can choose to use a PVC Fascia Board sourced from your local builder's merchant. This should be fastened to the bearers in the usual manner, covering all open edges of the boards to give a neat finish.

The woodgrain-effect finish of Dura Deck echoes the natural variations of wood. The Coffee and Slate Grey colour options have a rich, long lasting tone which will never need painting or staining, unlike traditional timber decks.

Dura Park Deck provides a professional and attractive finish, and comes with a 10 year warranty for added peace of mind.

Composite Timber Pergolas

Dura Pergolas

Composite timber Dura Pergolas have a unique formula that provides the very best of both worlds, a long lasting material that is strong, durable and weathers extremely well. Composite timber Dura Pergolas are striking yet have traditional appearance, require little maintenance and will not splinter. The material is UV stabilised and above all eco-friendly with a 87% recycled material content.

Applications

- Beach Areas
- Hotel Buildings
- Hotel Gardens
- Roof Gardens
- Theme Parks
- Villa Complexes
- Parking Areas

Features

- No painting or staining
- UV resistant
- Colour stable
- Minimal maintenance
- Does not splinter
- Long life span
- Eco-friendly

Benefits

- Hassle free
- Suitable for extreme climates
- Aesthetically pleasing
- Requires only basic cleaning
- Touch Safe
- Futureproof Solution with expected 25+ year service life

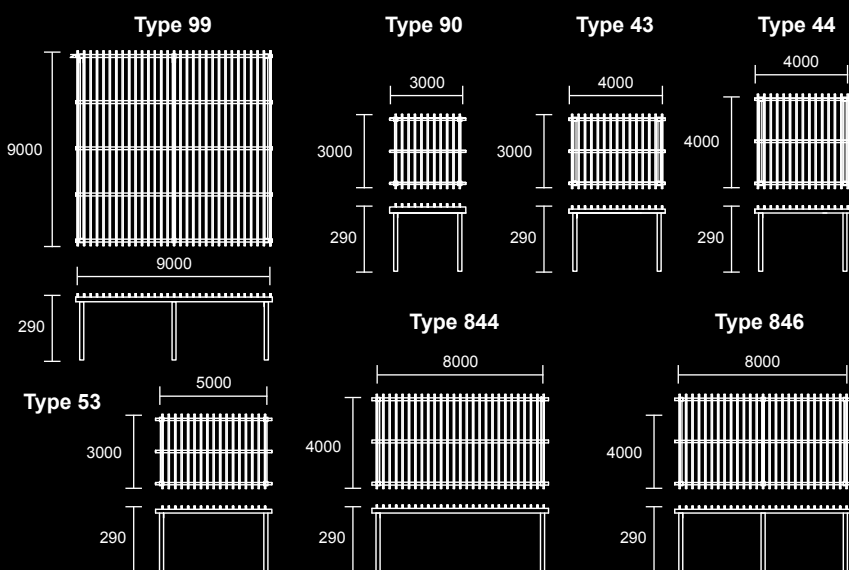
Specifications

Product	Width	Length	Height	Weight (Kg)	Slat Spans
Type 33	3000mm	3000mm	3160mm	692	260
Type 43	4000mm	3000mm	3160mm	788	260
Type 53	5000mm	3000mm	3160mm	856	260
Type 44	4000mm	4000mm	3160mm	788	260
Type 844 (4 Post)	8000mm	4000mm	3160mm	N/A	260
Type 846 (6 Post)	8000mm	4000mm	3160mm	1328	260
Type 99	9000mm	9000mm	3160mm	N/A	260



A classic pergola structure

Sample Designs



All measurements are in millimetres



Dura Pergola on a veranda in Qatar

For more information on Dura Pergolas please visit:
www.duracomposites.com/decking/composite-pergolas/



The mark of responsible forestry



Add shade and ambience with a Dura Pergola

Our Pergolas and other outdoor structures provide shade, protection from the elements, and a place for outdoor entertainment.

Choose from one of our pre-designed Dura Pergola structures or let our expert team help create your bespoke pergola, gazebo or cabana design.



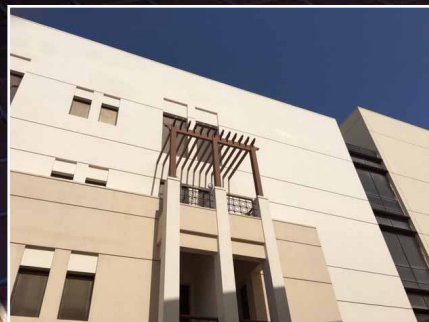
Dura Pergolas can completely transform the look of a deck or patio



Pergolas can define space and add interest to an area



Dura Pergolas in verandas at SEG Doha University Campus



Composite Timber Handrailing

Dura Balustrading

Dura Balustrading consists of a range of low maintenance composite timber balustrading products that provide a comfortable, safe and attractive handrail for domestic and commercial applications. The balustrading is designed for both low level and raised environments and has a 10 year warranty. Dura Balustrading also features a unique concealed fixing system and does not require painting or staining, making it the ultimate low-maintenance solution. Although it has the appearance of traditional timber and is available in 2 attractive colours, the composite material will not warp, splinter, or rot like natural wood and is pre-cut allowing for rapid for installation onto a range of substrates including concrete, wood or steel.

Applications

- Deck Areas
- Terraces
- Balconies
- Bridges
- Theme Parks
- Outdoor Dining Areas

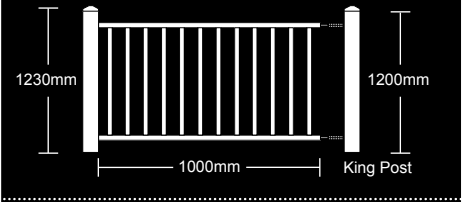
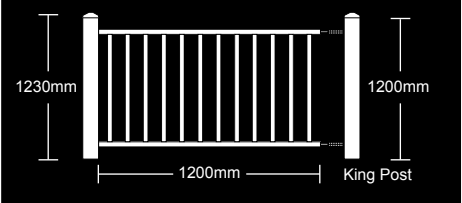
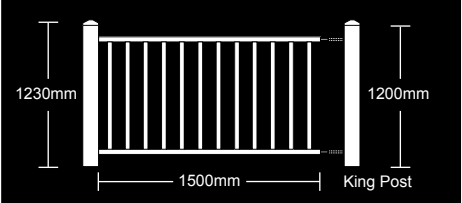
Features

- Natural Wood Look
- No Rotting or Warping
- UV Colour Stable
- Pre-Cut for Rapid Installation
- Concealed Fixings
- Teak or Charcoal Finishes

Benefits

- Aesthetically Pleasing
- Long-Lasting
- No Painting or Staining Needed
- Easy to Install on a Range of Substrates
- Consistent Gapping
- Complements the Dura Deck product range

Specifications

Item	Images of 1000/1200/1500mm Run section plus completion post	Height (with Cap)	Centre	Colour	Weight (Kg per linear metre)
Type 1000		1230mm	1000mm	Teak or Charcoal	33.91
Type 1200		1230mm	1200mm	Teak or Charcoal	35.51
Type 1500		1230mm	1500mm	Teak or Charcoal	38.39

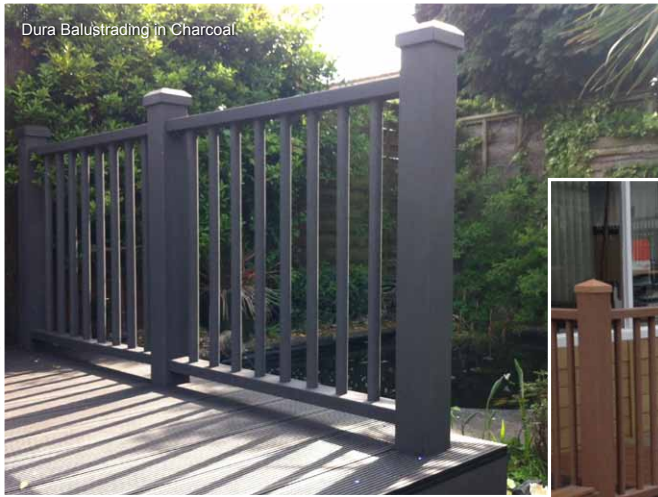
Colours



For more information on Dura Balustrading please visit:
www.duracomposites.com/decking/composite-handrailing-balustrading/



The mark of responsible forestry



Dura Balustrading in Charcoal.



Dura Balustrading in Teak



Dura Balustrading is made from composite timber and offers an eco-friendly finish to any garden or commercial decking area.

Available now from

International TIMBER



Sole UK Timber Importer

Grangemouth (Scotland)
Sales Centre

Tel: 0844 723 0321
Fax: 01324 665464
Email: hardwood1@internationaltimber.com

Trafford Park (Northern)
Sales Centre

Tel: 0844 728 0341
Fax: 0161 848 2901
Email: hardwood2@internationaltimber.com

Parkend (South West & Wales)
Sales Centre

Tel: 0844 728 0361
Fax: 01594 566001
Email: hardwood3@internationaltimber.com

Purfleet (London & South East)
Sales Centre

Tel: 0844 728 0391
Fax: 01708 683334
Email: hardwood4@internationaltimber.com

www.internationaltimber.com

Head Office

Dura Composites Ltd
Dura House, Telford Road
Clacton On Sea
Essex, CO15 4LP
United Kingdom

Tel: +44 (0)1255 440298
Fax: +44 (0)1255 435426
Email: info@duracomposites.com

www.duracomposites.com



FSC™ C108450
The mark of
responsible forestry

...designed for the future

Industrial Rail Marine Decking Cladding

Due to our policy of continual improvement we reserve the right to change specifications at all times without prior notice.

dura™ composites