

# Decking Sector Product Guide



Resist 150 Mahogany woodgrain

Low maintenance composite timber decking and interlocking decking tiles for domestic and commercial applications.

...designed for the future

Industrial Rail Marine Decking Cladding

dura<sup>TM</sup>  
composites





# About Us

Dura Composites Ltd. is a Queen's Award winning 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. Formed in 1996 the company has supplied composite timber decking since 2007 and therefore has more experience than most other suppliers put together.

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 composite timber, fibreglass reinforced plastic and other related emerging materials.

The range of products on offer is vast, from composite decking, pergolas and cladding through to floor walkway grating, service 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' products are also available through a well-established global distribution network in the UK, Middle East, Africa, Europe and North America.

Your local distributor can be found on the reverse of this guide.

For more information visit [www.duracomposites.com](http://www.duracomposites.com)



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# What Are Composites?

Composite materials are products made from two or more constituent materials with significantly different physical or chemical properties, that when combined, produce a material with different characteristics to those of the individual components.

# What Are Wood Plastic Composites?

Wood-plastic composites (WPC) are composites made of wood fibre/wood flour and thermoplastic materials.

# Why Choose Dura Deck?

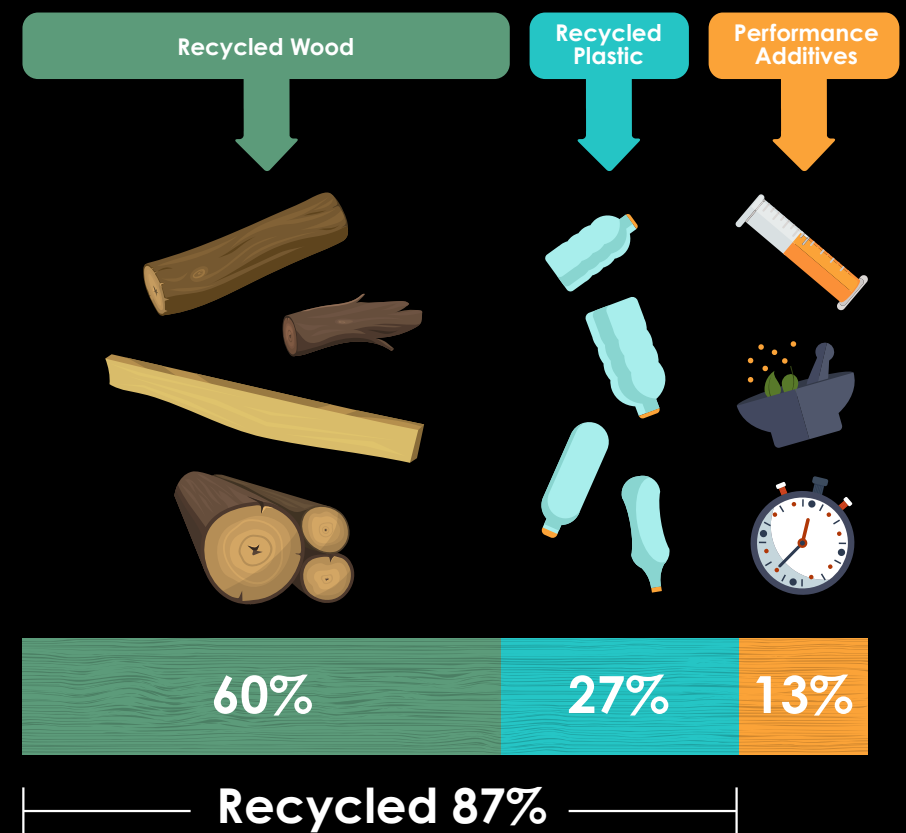
Dura Deck is manufactured from a unique combination of wood and plastic and our highly developed unique composition combines the traditional appearance of timber with the durability of an engineered composite.

Made from an innovative blend of up to 87% recycled hardwood and plastics, Dura Deck Composite Timber helps to conserve the earth's resources whilst reducing the amount of waste sent to landfill. In fact, Dura Composites was the world's first timber composite supplier to become FSC® 100% certified, further positioning us as a global pioneer in the world of composite timber.



Dura Composites growing team

## Dura Deck's Unique Composition





# Dura Deck Ranges

Dura Deck is available in two ranges **Eco** and **Resist** to suit various budgets and project requirements. Dura Deck has been on the market since 2007 and was the first composite decking brand in the world to offer FSC® certification as standard. Many suppliers will request that you use a different span to suit commercial or domestic applications, but Dura Deck offers greater simplicity. There is one recommended span for each product in accordance with BS 6399-1: 1996 - no matter what the application and for the avoidance of doubt.

Our narrower boards (**Eco 146**, **Resist 150**) have a more traditional appearance and closely resemble natural wood planks. However, if your priority is maximising the speed of installation or span capability then our double width board (**Eco 295**) may be more suitable. All Dura Deck composite timber boards are reversible to allow the installer to choose from two attractive finishes.

The following pages will help you select the most suitable Dura Deck range for your project requirements.

## Features

- Natural Wood Look and Feel
- Concealed Fixings
- Doesn't Rot, Splinter Or Warp
- UV Colour Stable
- Recycled Content
- Anti Slip Surface
- Water Resistant

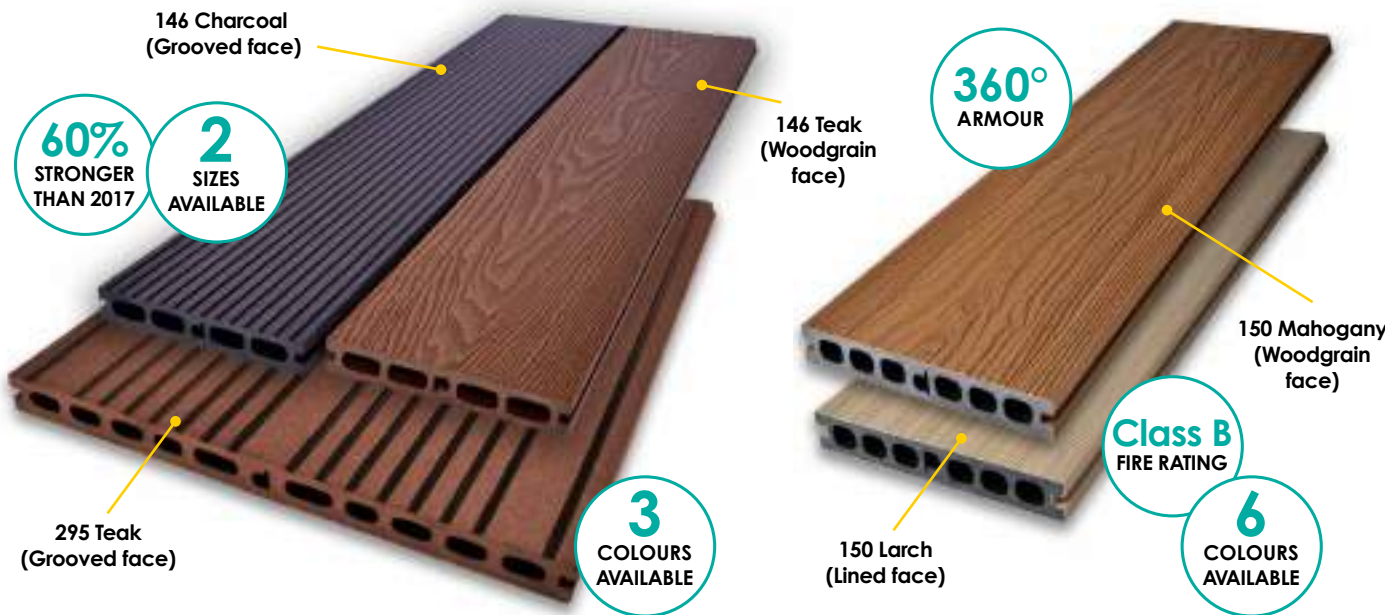
## Benefits

- • Ideal Wood Replacement
- • Barefoot Friendly
- • Minimum 10 Year Warranty
- • Looks Fresh For Years
- • Environmentally Friendly
- • Prevents Slips, Trips and Falls
- • Rain and Swim Area Friendly



## Dura Deck Eco

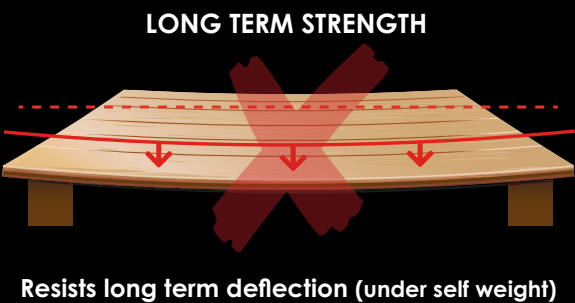
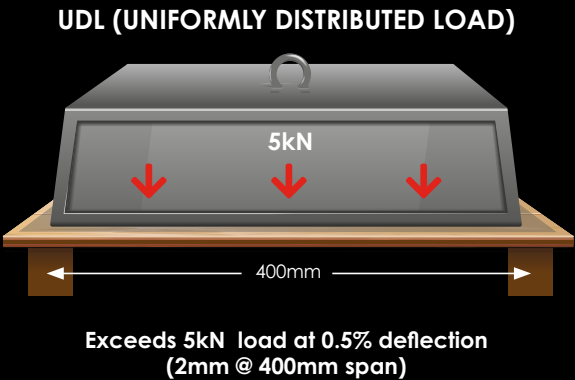
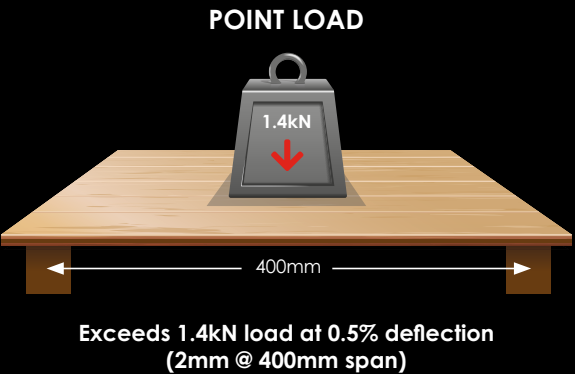
## Dura Deck Resist



# Load Performance

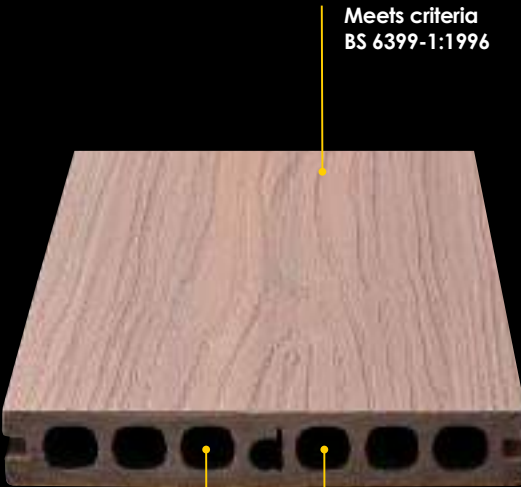
Using state-of-the-art product design, proprietary product formulas and precise manufacturing techniques, Dura has been able to achieve an additional 60% extra strength versus similar designs from competitors. This added strength helps prevent long term failure caused by permanent deflection (otherwise known as 'sag'). Our unique design enables the same span to be used whether you plan to install Dura Deck residentially or commercially.

## Load Performance Explained



## Our Unique Vortex Void

We take our warranty seriously and as such, our deck boards have been designed with a unique 'Vortex Void' structure to optimise their strength over the warranty period in all conditions, and for all applications.



Dura's unique vortex void for maximum long term strength that prevent deformation, deflection and sag

Unique formula with extremely low water absorption improves long term performance in all weather conditions



# Anti-Slip Resistance

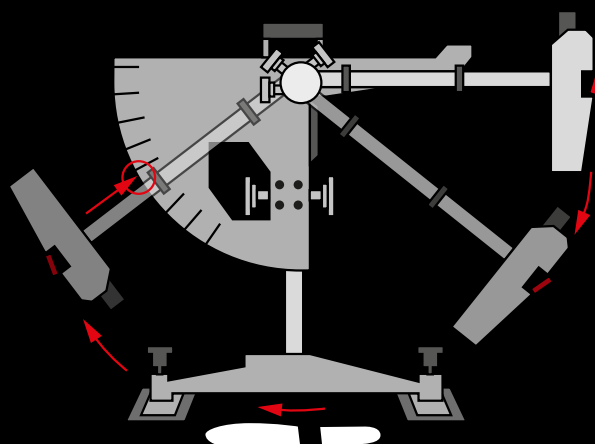
## 4S Slider Explained

The 4s rubber slider test imitates the heel of a shoe or foot to determine the level of slip resistance. The 4s slider test method is specially designed to replicate everyday footwear across a surface. The four S's stands for:

4S = **STANDARD** **SHOE** **SOLE** **SIMULATOR**

The 4s slider test should not be confused with the pendulum 5s slider or TRL (Transport Road Laboratory) test, which is designed for testing slip resistance on a roading surface.

The results gained from a 5s slider/TRL test are significantly higher than the 4s slider test. The 4s slider test can be relied upon in a court of law where a personal injury claim may have been made. This test measures the floors slip resistance values against the recommended health and safety minimum value of '36' and proves to insurance companies, slip accident claimants (genuine or fraudulent), and personal injury lawyers, that a safe floor environment has been provided.



## Eco 146 Anti-Slip Resistances

Dura Deck Eco					
Slip Resistance Values - BS 7976*		Type 146	Type 146	Type 295	Type 295
Direction	Condition	Grooves	Woodgrain	Large Grooves	Woodgrain
Longitudinal	Dry	39	44	39	39
Transverse	Dry	63	51	74	52
Diagonal	Dry	52	46	51	53
Longitudinal	Wet	32	32	32	28
Transverse	Wet	45	44	38	39
Diagonal	Wet	37	38	39	36

## Resist 150 Anti-Slip Resistances

Dura Deck Resist			
Slip Resistance Values - BS 7976*		Type 150	Type 150
Direction	Condition	Woodgrain	Fine Grain
Longitudinal	Dry	44	46
Transverse	Dry	52	54
Diagonal	Dry	45	47
Longitudinal	Wet	37	36
Transverse	Wet	37	47
Diagonal	Wet	48	36

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



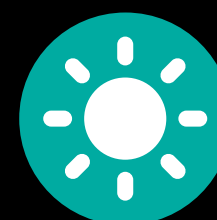
# Fire Resistance

## Eco 146

Designed and tested to pass **BS EN 13501 Class Cfl-s1** for ultimate peace of mind. This range exceeds the performance of almost all of its direct competitors.

## Resist 150

Engineered to resist the ignition of fire the **Resist** range has been rigorously tested for consumer piece of mind and confidence. The co-extruded 360° outer armour protects the core, increasing its defensive properties against fire. **Resist** achieves **Bfl-s1** according to **BS EN 13501**, giving you confidence this range is the best in class performer.



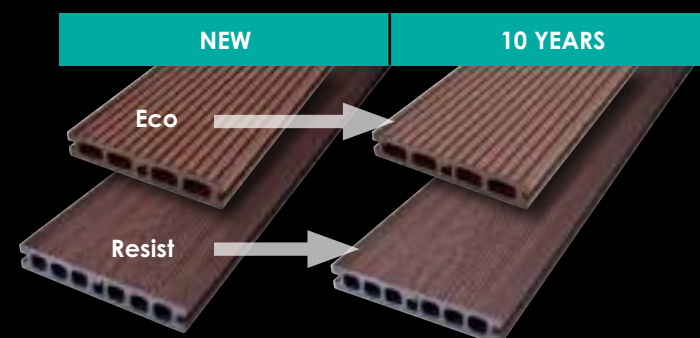
# UV Fade

## Eco 146

Latest technology deployed to ensure the colour fade over time is minor, providing a deck that always looks like new.

## Resist 150

Protected by the outer armour, the **Resist** range is even more colour stable than **Eco** and other co-extruded WPC decking boards on the market.

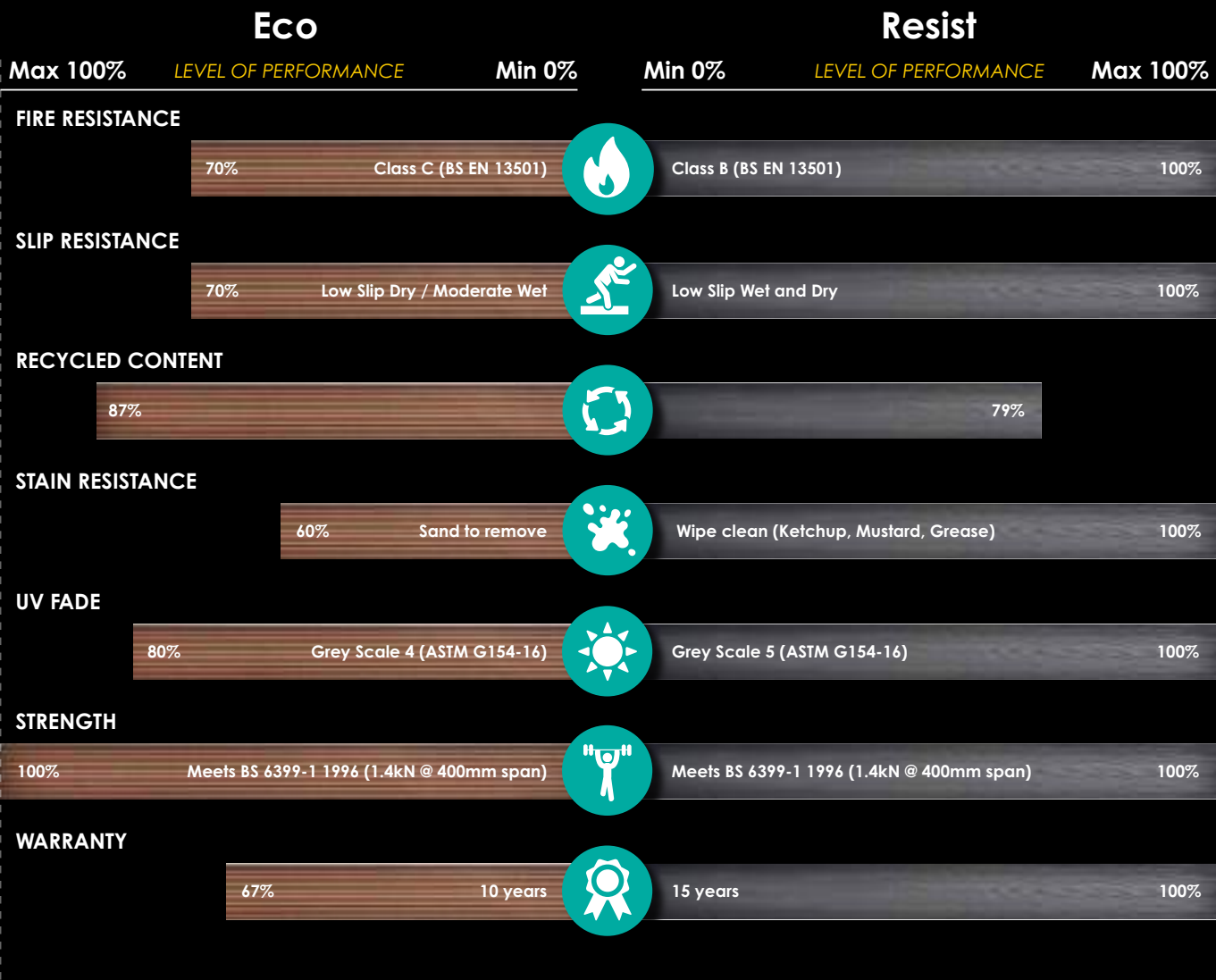




# Choosing The Right Dura Deck Range

## Performance Benefits Selector

Comparison graph to show performance benefits for Dura Deck **Eco** vs. **Resist**.



Eco

MRSP\*  
£53  
/M²

Resist

MRSP\*  
£72  
/M²

## Application Suitability Selector

Comparison graph to show suitable applications for Dura Deck **Eco** vs. **Resist**.



Dura Deck Eco



Dura Deck Resist

\*Manufacturers Recommended Selling Price



Eco-Friendly & Economical

# Dura Deck Eco

## Dura Deck Eco 146

Dura Deck **Eco 146** has been design engineered to reach the highest standard for wood plastic composite decking in the world and is produced to be both ecological and economical. Available in Teak, Charcoal and Stone this board looks and feels just like natural wood and features grooves on one side and wood grain on the reverse to suit all tastes. Dura Composites' unique composite timber formula produces a long lasting deck with a 10 year warranty that is 87% recycled and FSC® 100%. Its also easy to install and never needs painting. Ever! Importantly, this innovative formula and manufacturing process results in some of the lowest water absorption rates in the industry thus minimising the risk of over-expansion.

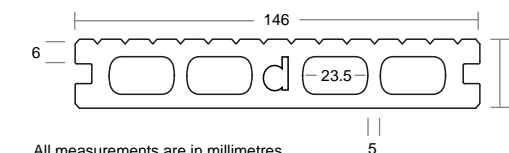
The innovative subsurface fixing system means no nails or screws need to go through the deck itself, creating a smart, uniform and barefoot friendly deck.

Dura Deck **Eco 146** is reversible and features attractive grooves on one side and a new wood grain embossing on the reverse.

REVERSIBLE  
BOARDS



### Dimensions



All measurements are in millimetres

Spans 400mm centre to centre

87%  
RECYCLED

Solid boards  
available by  
special order



Eco 146 Charcoal Woodgrain



Eco 146 Teak Grooved

Eco 146 in Stone

For Universal Fixings please see page 19

 [www.duracomposites.com/decking/](http://www.duracomposites.com/decking/)

[www.duracomposites.com](http://www.duracomposites.com)



# Dura Deck Eco 295

Dura Deck **Eco 295** is designed to have the appearance of a narrow deck board but is twice the width to provide extra strength and allow for a wider span up to 550mm for both residential and commercial applications.

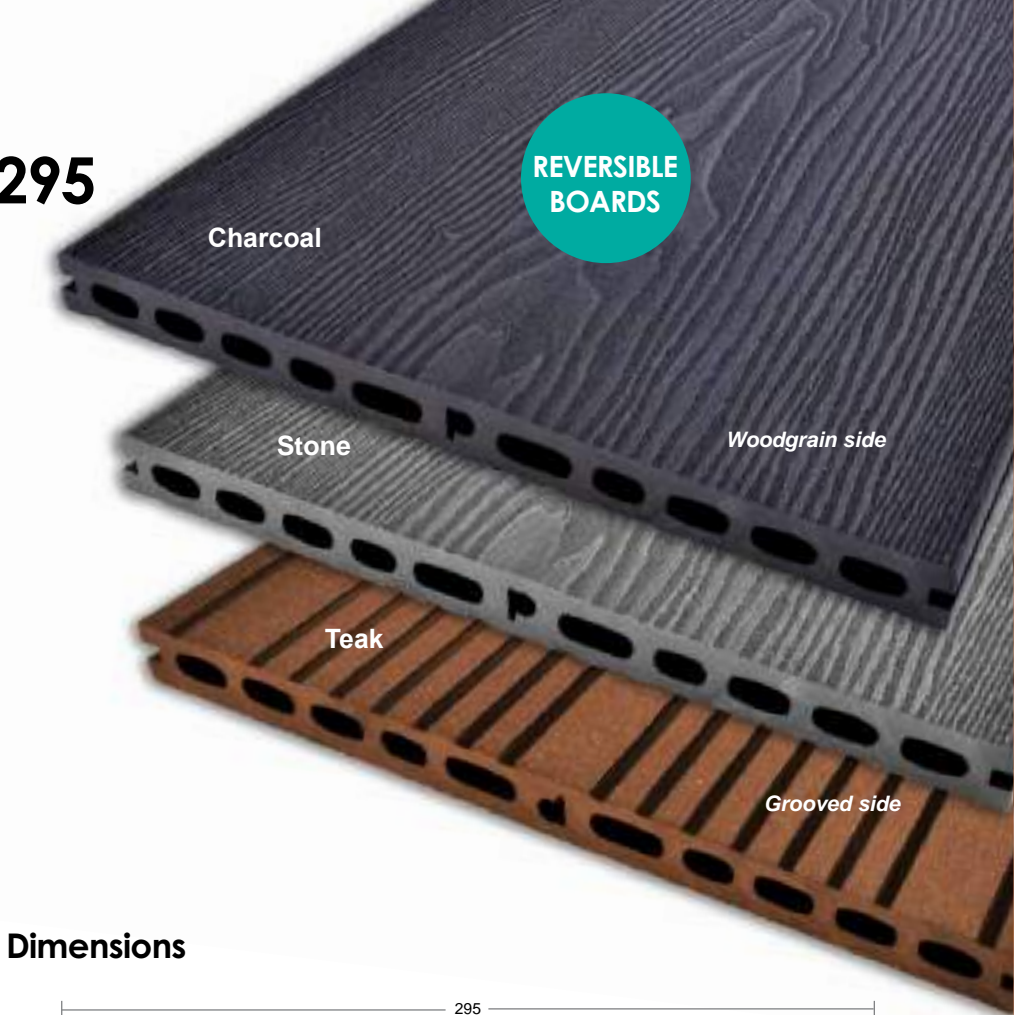
It features the same woodgrain surface design as the **Eco 146** allowing both models to be used within the same projects for maximum flexibility. The double width board can allow installs to be completed in half the time, saving labour and cost.



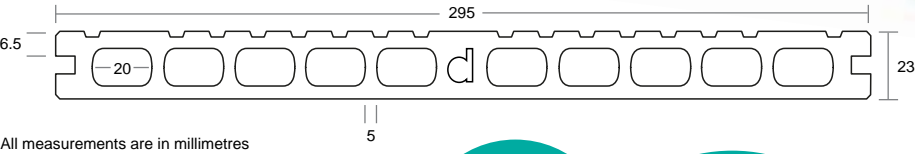
Eco 295 in Teak



Eco 295 in Charcoal makes an attractive residential decking area



## Dimensions



Solid boards available by special order

For Universal Fixings please see page 19



Eco 295 in Teak



# Why Choose Dura Deck Eco?

## Product Comparison Table

	1.4kN at 400mm Span 0.5% Deflection, against BS 6399-1: 1996	Fire Resistance Class C	Water Absorption (less than 0.5%)	Minimal UV Colour Fade (Min. Grey Scale 4)	100% FSC®	Woodgrain Surface
Dura Deck Eco (launched 2018)	✓	✓	✓	✓	✓	✓
Previous Dura Deck Range	✗	✗	✓	✗	✓	✗
Other WPC Decking Manufacturers	✗	✗	✗	✗	✓	✓
Soft Wood Decking	✗	✗	N/A	✗	✓	✓
Hard Wood Decking	✗	✓	N/A	✗	✓	✓

## Dura Deck Eco Profiles

Product	Board Type	Board Thickness	Board Length	Board Width	Max Span	Weight / Lin m	Weight per length	Boards per Pallet
Eco 146	Hollow	25mm	3660mm	146mm	400mm	3.05Kg	11.16Kg	132 Pcs
Eco 146	Solid	25mm	3660mm	146mm	400mm	4.81Kg	17.60Kg	90 Pcs
Eco 295	Hollow	23mm	3660mm	295mm	550mm	6.56Kg	24.01Kg	66 Pcs
Eco 295	Solid	23mm	3660mm	295mm	550mm	8.97Kg	32.83Kg	42 Pcs

## Material Specifications

Test item	Test parameter	Dura Deck Eco Test Results
Linear Thermal Expansion (Lengthways)	Test method: ISO 11359-2:1999 Method A Rate of temperature: 3 °C/min	44.8×10-6 K-1
Water Absorption	Test method: EN 317:1993	0.50%
Density	Test method: ASTM D792-13 Method B	1.317 g/cm3
UV Light Ageing Test	Test method: ASTM G154-16 & ASTM D2244-16 UV Exposure cycle: Exposure duration: 1000h	ΔE*ab = Grey Scale 4
Tensile Strength	Test method: ASTM D638-14	23.2 Mpa
Flexural Strength	Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8	33.7Mpa
Low Temperature Effect (-29 ±2°C)	Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8	45.4 MPa
High Temperature Effect (52 ±2°C)	Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8	27.4 MPa
Moisture Effect (85%RH)	Test method: ASTM D7032-17 Section 4.5.2 and ASTM D4761-13 Section 8	34.4 MPa
Freeze-Thaw Effect	Test method: ASTM D7032-17 Section 4.7 and ASTM D4761-13 Section 8 Freeze-thaw exposure cycle : ① Submerge underwater for 24h→② -29°C, 24h→③ 23±2°C, 24h→Step ①-③ as one cycle, total three cycles	Flexural Strength after freeze-thaw resistance: 33.7 Mpa
Flexural Stiffness	Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8	Flexural Stiffness: 4637 Mpa
Resistance to Indentation	Test method: EN 15534-1:2014 Section 7.5	Brinell hardness: 104 Mpa
Charpy Impact Strength	Test method: EN ISO 179-1:2010	4.4 kJ/m2
Flammability Resistance	Test method: EN13501-1 (EN ISO 9239-1) and (EN ISO 11925-2)	Cfl-S1 - As Standard

## Anti-Slip Resistances

Slip Resistance Values - BS7976*		Dura Deck Eco			
		Type 146 Grooves	Type 146 Woodgrain	Type 295 Large Grooves	Type 295 Woodgrain
Direction	Condition				
Longitudinal	Dry	39	44	39	39
Transverse	Dry	63	51	74	52
Diagonal	Dry	52	46	51	53
Longitudinal	Wet	32	32	32	28
Transverse	Wet	45	44	38	39
Diagonal	Wet	37	38	39	36

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

# 6 Reasons For Choosing Dura Deck Eco



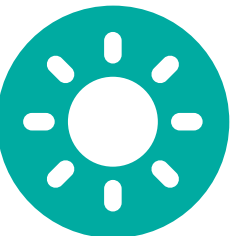
## 1. High Strength

Drawing on more than 20 years' experience in composite flooring, Dura Deck Eco has been designed to withstand high loads throughout its lifecycle.  
In a first for decking products, the product exceeds 1.4kN at just 0.5% deflection as per BS 6399-1:1996. Due to its strength, the same span is recommended regardless of domestic or commercial use.



## 2. Low Water Absorption

Developed to achieve low water absorption of less than 0.5%, Dura Deck Eco will perform despite rainy weather throughout its 10-year warranty period.



## 3. Colour Retention

Latest technology deployed to ensure the colour fade over time is very minor, providing a deck that always looks like new.



## 4. FSC® Certified

Dura Deck was the first brand to enjoy FSC certification, and despite being the entry level product, enjoys FSC® as standard along with 87% recycled content.



## 5. Woodgrain Surface

The surface of Dura Deck Eco has been specially developed to offer a natural woodgrain look, akin to wooden decking. Latest technology including a deep embossing process means that unlike other brands, the beautiful appearance will last and last, certified through abrasion testing.



## 6. Fire Rated

Designed and tested to pass BSEN13501 Class Cfl-s1 for ultimate peace of mind.



Premium Performance & Looks

# Dura Deck Resist

Resist 150 in Pebble Grey

## Dura Deck Resist 150

6  
COLOURS  
AVAILABLE

Dura Deck **Resist 150** is our premium decking board choice if you require a high specification or if your budget allows.

It features our most beautiful surface ever and is designed to achieve the most natural wood look on the market.

This deck is produced via a co-extrusion process where a 360° outer armour is used to protect the core of the deck from the elements.

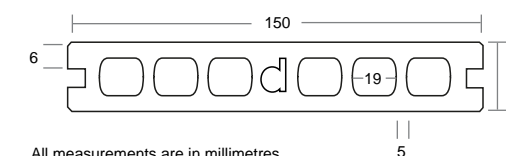
As a result, Dura Deck **Resist** is fire resistant to Class B, colour fade resistant, strength load resistant, stain resistant and also highly slip resistant.

It is available in 6 colours to suit all tastes, all of which feature a stunning deeply embossed wood grain on one side and a light groove on the reverse for maximum versatility.

Available in lengths of 3.66m, it is easy to install and has a fantastic 15 year warranty. Dura Deck **Resist** never requires painting or treating and is easy to clean.



### Dimensions



All measurements are in millimetres



Fine grain  
reversible side

15  
YEAR  
WARRANTY



Resist 150 in Mahogany makes an attractive poolside decking

For Universal Fixings please see page 19



[www.duracomposites.com/decking/](http://www.duracomposites.com/decking/)

[www.duracomposites.com](http://www.duracomposites.com)



# Why Choose Dura Deck Resist?

## Product Comparison Table

	1.4kN at 400mm Span 0.5% Deflection, against BS 6399-1: 1996	Fire Resistance Class B	Low Slip Potential Wet and Dry	Water Absorption (less than 0.2%)	Minimal UV Colour Fade (Min 5.7 / 1000 hrs)	100% FSC®	Woodgrain Surface	Wipe Clean Stains
Dura Deck Resist	✓	✓	✓	✓	✓	✓	✓	✓
Premium Composites	✗	✗	✓	✗	✗	✗	✓	✓
Soft Wood Decking	✗	✗	✗	✗	✗	✓	✓	✗
Hard Wood Decking	✗	✗	✗	✗	✗	✓	✓	✗

## Dura Deck Resist Profiles

Product	Board Type	Board Thickness	Board Length	Board Width	Max Span	Weight / Lin m	Weight per length	Boards per Pallet
Resist 150	Hollow	25mm	3660mm	150mm	400mm	3.10Kg	11.35Kg	168 Pcs
Resist 150	Solid	25mm	3660mm	150mm	400mm	4.94Kg	18.08Kg	100 Pcs

## Material Specifications

Test item	Test parameter	Dura Deck Resist Test Results
Linear Thermal Expansion (Lengthways)	Test method: ISO 11359-2:1999 Method A Rate of temperature: 3 °C/min	36×10-6 K-1
Water Absorption	Test method: EN 317:1993	0.18%
Density	Test method: ASTM D792-13 Method B	1.27 g/cm3
UV Light Ageing Test	Test method: ASTM G154-16 & ASTM D2244-16 UV Exposure cycle: Exposure duration: 1000h	ΔE*ab = Grey Scale 5.72
Tensile Strength	Test method: ASTM D638-14	19.1 Mpa
Flexural Strength	Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8	25.3 Mpa
Low Temperature Effect (-29 ±2°C)	Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8	33.9 Mpa
High Temperature Effect (52 ±2°C)	Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8	16.9 MPa
Moisture Effect (85%RH)	Test method: ASTM D7032-17 Section 4.5.2 and ASTM D4761-13 Section 8	27.3 MPa
Freeze-Thaw Effect	Test method: ASTM D7032-17 Section 4.7 and ASTM D4761-13 Section 8 Freeze-thaw exposure cycle : ① Submerge underwater for 24h→② -29°C, 24h→③ 23±2°C, 24h→Step ①→③ as one cycle, total three cycles	Flexural Strength after freeze-thaw resistance: 24.9 Mpa
Flexural Stiffness	Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8	Flexural Stiffness: 4160 Mpa
Resistance to Indentation	Test method: EN 15534-1:2014 Section 7.5	Brinell hardness: 61.5 Mpa
Charpy Impact Strength	Test method: EN ISO 179-1:2010	2.6 kJ/m2
Flammability Resistance	Test method: EN13501-1 (EN ISO 9239-1) and (EN ISO 11925-2)	Bfl-S1 - As Standard

## Anti-Slip Resistances

		Dura Deck Resist	
Slip Resistance Values - BS7976*		Type 150 Woodgrain	Type 150 Fine Grain
Direction	Condition		
Longitudinal	Dry	44	46
Transverse	Dry	52	54
Diagonal	Dry	45	47
Longitudinal	Wet	37	36
Transverse	Wet	37	47
Diagonal	Wet	48	36

\*(4S Rubber Slider)

### Pendulum Test Values (PTVs)

● Low Slip Potential (36+ PTV)

● Moderate Slip Potential (25-35 PTV)

● High Slip Potential (0-24 PTV)

# 6 Reasons For Choosing Dura Deck Resist



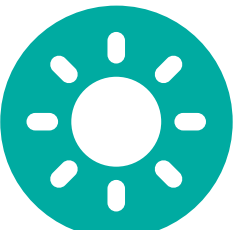
## 1. Resists Fire

Engineered to resist ignition of fire to BS EN 13501 Class Bfl-s1 to satisfy current and future fire legislation.



## 2. Resists Load

The Vortex Void design structure and unique material composition allows the deck to withstand 1.4kN point load according to BS 6399-1:1996 and to resist significant deformation or sag for its expected working life.



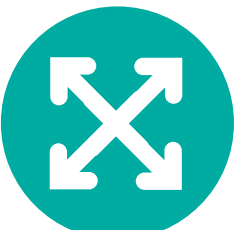
## 3. Resists Fade

Unique outer armour protects against fade for its entire life so that your deck always looks like it did when it was brand new.



## 4. Resists Stains

The revolutionary outer armour protects the deck surface from common stains like ketchup, mustard, tree sap and even cooking oil. Just wipe immediately with a clean wet cloth to remove common spills or use a pressure washer for more stubborn debris such as bird mess.



## 5. Resists Expansion

The latest technology and cutting edge production techniques means that Resist features a rate of expansion that is less than half of its competitors. This means the deck will look great whether it's hot or cold and is more forgiving on imperfect installs. This is due to the 360° Armour and the incredibly low water absorption rate achieved through a close cell structure.



## 6. Resists Slips

The fantastic wood effect surface features a unique finish that allows the product to achieve low slip potential in dry or wet conditions, whatever the direction of travel. When planning your deck, please note that other manufacturers use the irrelevant 5S slip test as their benchmark, which is easier to achieve and relates to roads, not walkways. We don't!



# Universal Fixings

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.



## Standard Fixings



6mm Gap Fixing Clip



Start/Stop Clip



Black Screw 50mm

## Additional Fixings



Double Clip



Half Clip




Central Fixing Clip

## Finishing Options



## Bearer Options



ADJUSTABLE PEDESTALS OPTIONAL  
Aluminium



Wood C16

## Ancillary Profiles

Product	Board Type	Board Thickness	Board Length	Board Width	Max Span	Weight / Lin m
Eco Fascia	Solid	9mm	up to 3660mm	230mm	Infill only	2.88kg
Resist Fascia	Solid	10mm	up to 3660mm	180mm	Infill only	2.19kg
Aluminium Joists	Hollow	22mm	up to 3600mm	48mm	450mm	0.68kg
Aluminium Joists	Hollow	38mm	up to 3600mm	48mm	600mm	0.79kg
Aluminium Joists	Hollow	72mm	up to 3600mm	48mm	1200mm	1.05kg

# Simple Installation

- Step 1:** Secure the first board in position by screwing the start stop clips into place along the bearers. Push the first board into the clips, making sure that the clips hold the deck board securely.
- Step 2:** Position the standard fixing clip into the side channel of the board and screw down. Make sure they "pinch". Push the next board into place and repeat. Ensure you check the alignment of the boards each time.
- Step 3:** To secure the final board on the deck edge, use 1 start stop clip per bearer or every 400mm on the parallel bearer (as demonstrated).

**STEP 1**



**STEP 2**



**STEP 3**



**STEP 4**



**Decking Overview**



**Step 4:** Secure standard clips on both sides and slide second to last board into position (leaving an adequate gap between any abutting board).

## Finishing Options

**STEP 5A**



End Cap

**STEP 5B**



Fascia

- Step 5A:** Place end caps to finish your deck.
- Step 5B:** If using fascia to finish your deck, elongated holes should be used to allow for expansion and contraction.

## Optional Steps

**STEP 2A**



**STEP 2B**



- Step 2A:** If your boards butt join across a bearer, Double Clips can be used for extra support during expansion.
- Step 2B:** If installing adjacent to a wall, Half Clips can be used to for easier fitting.



# 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 here 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](http://www.duracomposites.com/warranty)

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

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



Please note that colours shown in this brochure are representative only. The Dura Composites manufacturing process results in a high level of colour consistency although some variation in colour may be apparent across boards from different production batches.

Whilst Dura Deck is colour stable, there will likely be some initial colour lightening as the product weathers, which typically occurs in the first 3 months, dependant on the level of UV exposure and then stabilises. For more information or for product samples please contact your local Dura Deck distributor.

## 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 pallets must be kept wrapped 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 (**Eco 146, Resist 150**). However, if your priority is to make installation speed as quick as possible, then choose a wider board (**Eco 295**).

Our boards also offer the option of a wood grain surface finish, or grooved surface design on the reverse, the choice is yours.

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 than 3 seconds.

 [www.duracomposites.com/decking/composite-decking/specs-information/](http://www.duracomposites.com/decking/composite-decking/specs-information/)



# Interlocking Fast Fit Deck Tiles

## Dura Tile

The interlocking tiles are easy to lay and large areas can be installed quickly as no bearers or fixings are required. **Dura Tile** composite decking tiles can be laid in two directions to create a unique pattern. 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. **Dura Tile** makes the perfect solution for a DIY project as the install process is quick and easy provided the substrate is structurally sound and reasonably flat.

### Applications

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

### Features

- Natural wood look
- Long Lifespan
- Low maintenance
- UV/Colour stable
- Slip resistance
- Minimal water absorption
- Doesn't split or splinter
- Interlocking
- Fits to flat surface

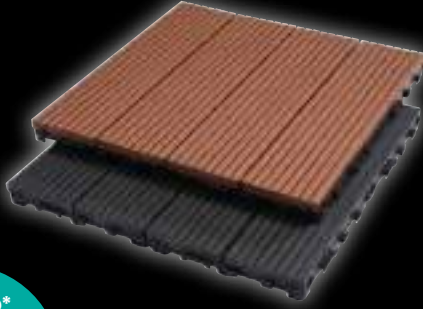
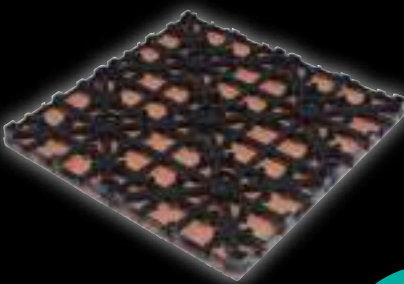
### Benefits

- • No staining, oiling or painting required
- • Can be jet washed when necessary
- • Sanded to remove stains
- • Retains natural timber appearance
- • Low slip potential
- • Mould resistance
- • Barefoot friendly
- • No tools required
- • No joists required

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

Available in Teak and Charcoal

Straight Edge Ramps



Corner Edge Ramps

MRSP\*  
**£38.40**  
/M<sup>2</sup>

**2**  
COLOURS  
AVAILABLE

\*Manufacturers  
Recommended Selling Price

### Dura Tile Profiles

Product	Thickness	Length	Width	Weight per tile	Item per box
Dura Tile	23.5mm	305mm	305mm	1.36kg	9
Corner Edge Ramps	23.5mm	367mm	77mm	0.43kg	4 (2 left & 2 right)
Straight Edge Ramps	23.5mm	295mm	77mm	0.39kg	15

### Anti-Slip Resistances

Slip Resistance Values - BS7976* (4s 96 Slider - Shod Foot) For Commercial Areas			Dura Tile
Direction	Condition		
Longitudinal	Dry	● 43	
Diagonal	Dry	● 48	
Transverse	Dry	● 60	
Longitudinal	Wet	● 28	
Diagonal	Wet	● 33	
Transverse	Wet	● 47	

\*(4S Rubber Slider)

Pendulum Test Values (PTVs)

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

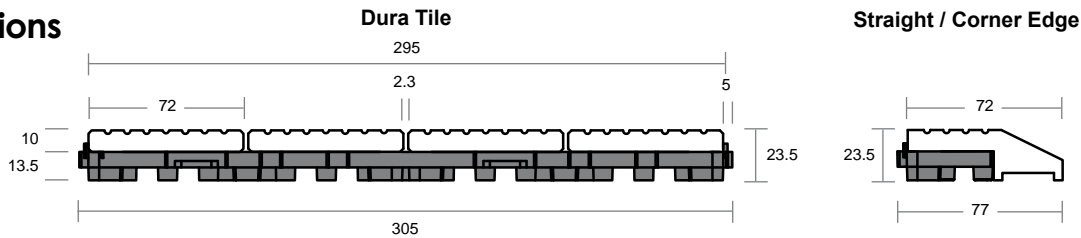
For more information on Dura Tile installation, technical manuals and the Tile cost calculator please visit:  
[www.duracomposites.com/decking/composite-decking-tiles/](http://www.duracomposites.com/decking/composite-decking-tiles/)

**FAST  
INSTALL  
TIMES**

**Conveniently  
Packaged**



### Dimensions



All measurements are in millimetres



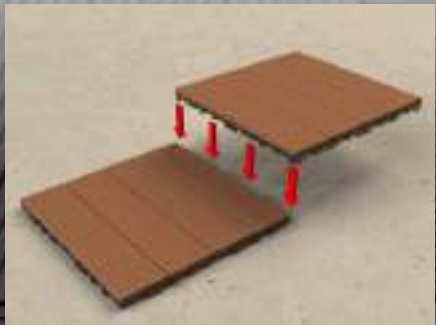
Both Teak and Charcoal produce a dramatic effect



Dura Tiles are great for balconies and roof terraces



Dura Tile in Teak on a residential patio



The tiles interlock

A typical back garden deck area can be laid in less than 30 minutes!



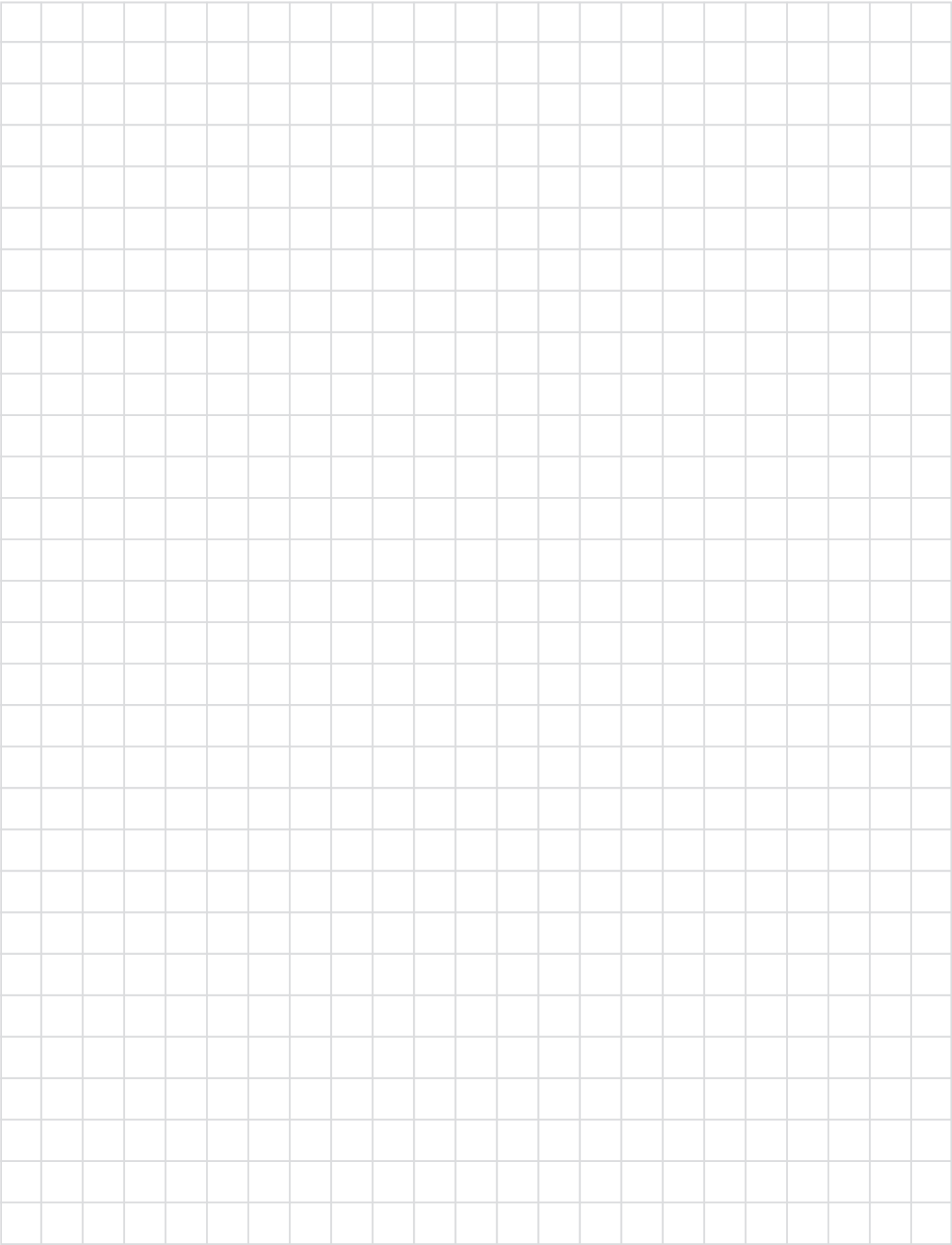
**Dura Tiles** are interlocking so no additional fixings are needed. Care should be taken to ensure the product is laid onto a flat surface such as an existing patio or hardstanding.





# Design Your Dura Deck

Use the handy grid below to sketch your design.



# Thoughtfully Packaged

Dura Deck boards are supplied in handy twin packs which are wrapped for easy transit and maximum protection.



Quick Install  
Guide on reverse  
of every  
twin pack



# Available now from

## International TIMBER



### Sole UK Timber Importer

#### Grangemouth (Scotland)

Sales Centre

Tel: 01324 666000

Fax: 01324 665464

#### Trafford Park (Northern)

Sales Centre

Tel: 0161 848 2900

Fax: 0161 848 2901

#### Parkend (South West & Wales)

Sales Centre

Tel: 01594 566000

Fax: 01594 566001

#### Purfleet (London & South East)

Sales Centre

Tel: 01708 683333

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info@internationaltimber.com

www.internationaltimber.com

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## ...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.



Look for FSC®  
certified products

# dura<sup>TM</sup> composites

