

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 600mm for both marine 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.

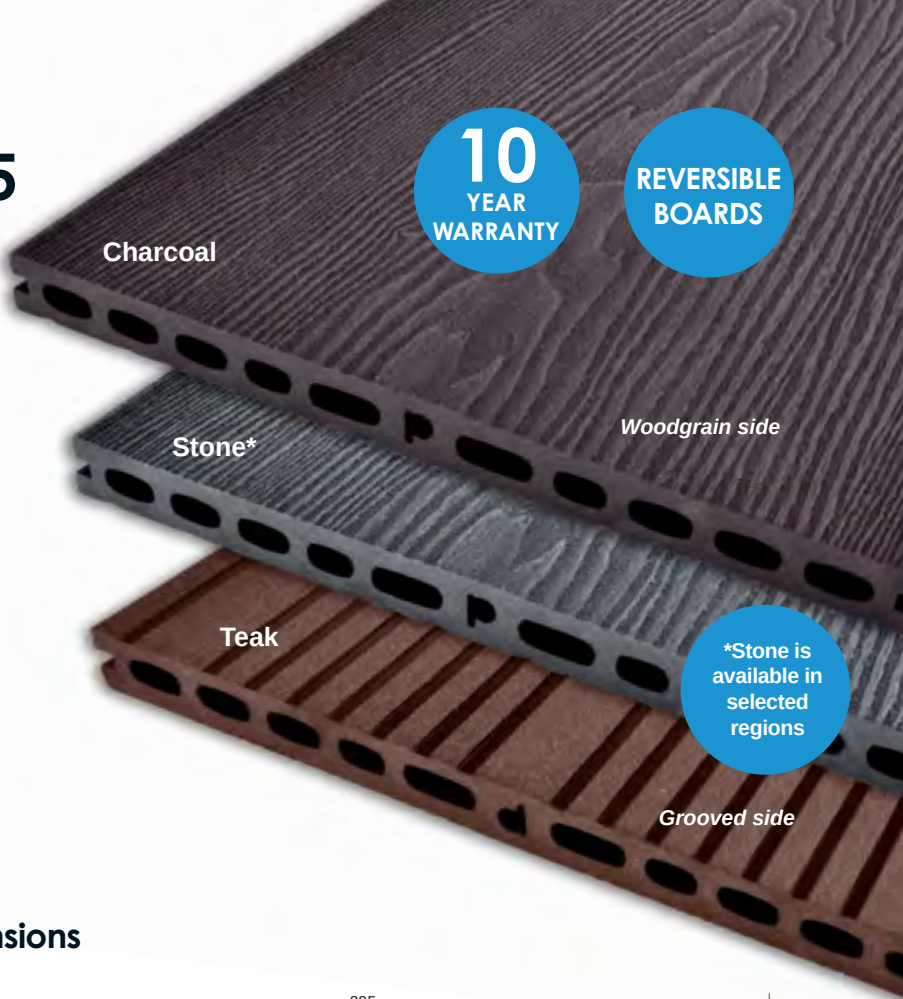


Dura Deck® Eco 295 in Teak

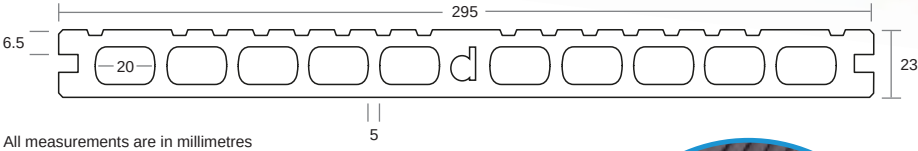


Dura Deck® Eco 295 in Charcoal at Ocean Village, Southampton

For Universal Fixings please see page 44



Dimensions



3
COLOURS
AVAILABLE

Solid boards
available
from stock



Dura Deck® 295 in Teak at a European Marina

Why Choose Dura Deck® Eco?

Product Comparison Table

	1.4kN @ 0.5% Deflection (BS 6399-1: 1996)	Fire Resistance Class C	Water Absorption (0.5% or less)	Minimal UV Colour Fade (Min. Grey Scale 4)	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	600mm	6.56Kg	24.01Kg	66 Pcs
Eco 295	Solid	23mm	3660mm	295mm	600mm	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	0.043mm/m/°C (-30°C to +30°C)
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

		Dura Deck® Eco			
Slip Resistance Values - BS7976*		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

*(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



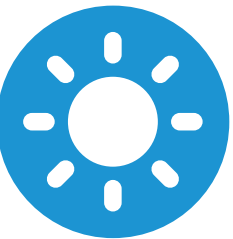
1. High Strength

Drawing on more than 20 years of 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. 87% Recycled

Dura Deck® is an innovative blend of up to 87% recycled hardwood.



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 BS EN13501 Class Cfl-s1 for ultimate peace of mind.

Install Steps

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.



STEP 1
Screw Start / Stop clip into suitable position ready to accept first board.



STEP 2
Slide board into position.



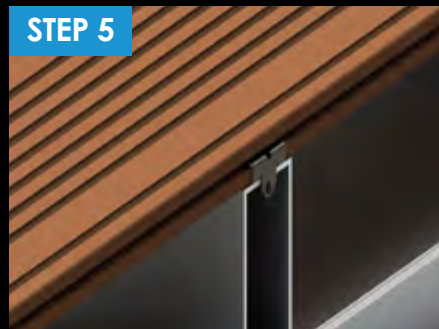
STEP 3
Position Fixing Clip into rebate at the side of the board and screw tight (6mm or 10mm)



STEP 4
Slide next board into position making sure of a tight fit.



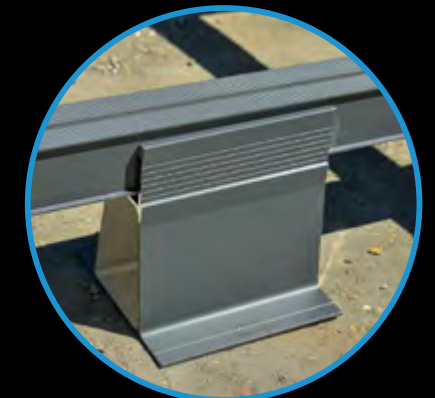
STEP 4a
4a: Half Clips can be used for different to access areas. 4b: Double Clips can be used to fix across butt joints.



STEP 5
Start / Stop Clip should be used to secure the final board into position.



STEP 6 - Use of Centre Clips
The Centre Clip is important for installs in extreme climates and where shading occurs and expansion gap consistency is aesthetically important.



Class A2fl-s1 Fire-Rated **Aluminium Dura Pedestals** and **Dura Bearers** also available from stock.

Our expert team and downloadable Installation and Technical Manual can provide further guidance on appropriate use of these fixing solutions and screw types.

Universal Fixings

Standard Fixings



6mm or 10mm
Gap Fixing Clip



Start/
Stop Clip



Pan Head Screw
50mm

Additional Fixings



Half Clip



Central
Fixing Clip



Dura Deck® Eco 146 in Teak