Low maintenance composite timber decking for domestic and commercial applications.

Unlocking the Power of Composites™
for Outdoor Decking Areas

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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 Deck Ranges

Dura Deck is available in three great composite timber variants which suit a vast range of outdoor decking project requirements and budgets.

Whichever of the 3 product ranges you choose, Dura Deck outdoor decking boards offer effortless simplicity. There is one single recommended span for Dura Deck Eco 146, Dura Deck Resist 150 and Dura Deck ‘Flip’ Resist in accordance with BS 6399-1: 1996 - no matter what the application and for the avoidance of doubt.

To view the complete range on our website, visit www.duracomposites.com/decking

Our Dura Deck Eco 146 has a traditional appearance that closely resembles natural wood. It features grooves on one side and woodgrain finish on the reverse. Available in Teak, Stone and Charcoal colours, it contains up to 87% recycled content, and comes with a reassuring 10-year warranty. Its composite timber formulation never needs painting and has one of the lowest water absorption rates in the industry, which minimises the risk of over-expansion.

It is also available in a 295mm version which is twice the width of the standard board. Dura Deck Eco 295 allows for wider spans of up to 550mm for both residential and commercial applications and comes in the same colours as the 146mm board.
Dura Deck ‘Flip’ Resist

BRAND NEW for 2020, is our Dura Deck ‘Flip’ Resist board. This stunning product takes the two most popular colours from our Resist range and combines them into one single decking board profile.

With Pebble Grey on one side, and Weathered Cedar on the other, this innovative product allows the customer to create attractive deck designs featuring both complimentary colours, or to flip their boards at a later date for a whole new look.

Available in lengths of 3.66m, Dura Deck ‘Flip’ Resist is easy to install and has a fantastic 15 year warranty. 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.

Colour combinations

- Pebble Grey
- Weathered Cedar
- Ipe
- Mahogany
- Larch
- Red Cedar

Dura Deck Resist 150 is our premium choice if you require a high specification for your decking project. Dura Deck Resist 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 is also highly slip resistant in all weathers. The standard Dura Deck Resist range is available in 6 colours, all of which feature a stunning deeply embossed wood grain on one side and a light groove on the reverse for maximum versatility.
Dura Deck

Benefits

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

Exceeds 1.4kN load at 0.5% deflection (2mm @ 400mm span)

Exceeds 5kN load at 0.5% deflection (2mm @ 400mm span)

LONG TERM STRENGTH

Meets criteria BS 6399-1:1996

Points loaded

UDL (UNIFORMLY DISTRIBUTED LOAD)

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.

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

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

Meets criteria BS 6399-1:1996

Resists long term deflection (under self weight)
### 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:

- **S** = **STANDARD**
- **S** = **SHOE**
- **S** = **SOLE**
- **S** = **SIMULATOR**

Some test methods are more valuable and trustworthy indicators of slip resistance than others. Health & Safety Executive guidance has determined the most reliable test method is the 4S Pendulum Test which is regarded as the only floor test equipment able to repeatedly provide consistent results and which can be used in a court of law in the event of a slip injury claim. Unlike some other brands, Ultra Deck Eco and Resist have been tested using the 4S Slider Pendulum Testing method and both have achieved a low slip potential in wet conditions. Some competitors fail to meet the official low slip potential threshold score of 36, and therefore choose to present anti-slip testing results achieved from a different Pendulum Test method traditionally used for road surfaces known as the 5S Slider which uses a softer and more malleable slider designed to replicate the tyre of a car.

#### Eco 146 Anti-Slip Resistances

<table>
<thead>
<tr>
<th>Direction</th>
<th>Condition</th>
<th>Type 146</th>
<th>Type 146</th>
<th>Type 295</th>
<th>Type 295</th>
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<tbody>
<tr>
<td>Longitudinal</td>
<td>Dry</td>
<td>39</td>
<td>44</td>
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<td>Transverse</td>
<td>Dry</td>
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<tr>
<td>Transverse</td>
<td>Wet</td>
<td>45</td>
<td>44</td>
<td>38</td>
<td>39</td>
</tr>
<tr>
<td>Diagonal</td>
<td>Wet</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>36</td>
</tr>
</tbody>
</table>

#### Flip Resist 150 Anti-Slip Resistances

<table>
<thead>
<tr>
<th>Direction</th>
<th>Condition</th>
<th>Type 150</th>
<th>Type 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Longitudinal</td>
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<td>46</td>
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<td>Transverse</td>
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<td>44</td>
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<td>Diagonal</td>
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<td>38</td>
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<tr>
<td>Longitudinal</td>
<td>Wet</td>
<td>37</td>
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<tr>
<td>Transverse</td>
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</tr>
<tr>
<td>Diagonal</td>
<td>Wet</td>
<td>37</td>
<td>38</td>
</tr>
</tbody>
</table>

### Fire Resistance

**BS EN 13501** is the European standard which provides the reaction to fire classification procedure for all construction products, including products incorporated within building elements. Dura Composites offers a range of fire-rated product solutions, from our Class A2 Aluminium decking for high-rise balconies, to our Class C Eco Decking for domestic gardens.

#### Eco 146

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

**Eco 146**

Eco 146

*NEW 10 YEARS*

Eco

Resist

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.

#### Resist 150

- The Resist range has been rigorously tested for consumer peace 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.

**Resist 150**

- Dura Deck Flip Resist 150 is available as **BS EN 13501 Class Cfl-s1** as standard. If your project is within a commercial setting and requires a Class B fire rating, this is available as special order, but is subject to extended lead times.

### UV Fade

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

**Eco 146**

*NEW 10 YEARS*

Eco

Resist

**Flip 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.
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 woodgrain 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. Evert 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 woodgrain embossing on the reverse.

For Universal Fixings please see page 25

www.duracomposites.com/decking/
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 Charcoal makes an attractive residential decking area.

For Universal Fixings please see page 25

www.duracomposites.com/decking/
Why Choose Dura Deck Eco?

**Product Comparison Table**

<table>
<thead>
<tr>
<th>Test item</th>
<th>Test parameter</th>
<th>Dura Deck Eco Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Thermal Expansion Lengthways</td>
<td>Test method: ISO 11359-2:1999 Method A Rate of temperature 3 °C/min</td>
<td>44.8×10⁻⁶ K⁻¹</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>Test method: EN 317:1993</td>
<td>0.50%</td>
</tr>
<tr>
<td>Fire Resistance Class C</td>
<td>Test method: ASTM D2304-16 &amp; EN 50204-4-16</td>
<td>0.67 pc</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>Test method: ASTM D503-14</td>
<td>23.2 Mpa</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8</td>
<td>46.3 Mpa</td>
</tr>
<tr>
<td>Low Temperature Effect (-29°C)</td>
<td>Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8</td>
<td>43.1 Mpa</td>
</tr>
<tr>
<td>High Temperature Effect (52°C)</td>
<td>Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8</td>
<td>27.4 Mpa</td>
</tr>
<tr>
<td>Moisture Effect (85%RH)</td>
<td>Test method: ASTM D7032-17 Section 4.5.2 and ASTM D4761-13 Section 8</td>
<td>34.4 Mpa</td>
</tr>
<tr>
<td>Freeze-Thaw Effect</td>
<td>Test method: ASTM D7032-17 Section 4.7 and ASTM D4761-13 Section 8</td>
<td>54.1 Mpa</td>
</tr>
<tr>
<td>Flexural Stiffness</td>
<td>Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8</td>
<td>Natural Stiffness: 4837 Mpa</td>
</tr>
<tr>
<td>Shear Impact Strength</td>
<td>Test method: EN 15534-1:2014 Section 6</td>
<td>4.4 kN/mm²</td>
</tr>
</tbody>
</table>

**Material Specifications**

<table>
<thead>
<tr>
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<th>Test parameter</th>
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</tr>
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<td>4.4 kN/mm²</td>
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</tbody>
</table>

**Anti-Slip Resistances**

<table>
<thead>
<tr>
<th>Slip Resistance Values - BS 7679</th>
<th>Type 144</th>
<th>Type 146</th>
<th>Type 205</th>
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<tr>
<td>Direction</td>
<td>Condition</td>
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<td>Woodgrains</td>
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<td>60</td>
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<td></td>
<td>Wet</td>
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<td>20</td>
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<td>Vertical</td>
<td>Dry</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Wet</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Longitudinal</td>
<td>Dry</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Wet</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

6 Reasons For Choosing Dura Deck Eco

1. **High Strength**
   Drawing on almost 25 years experience in composite flooring, Dura Deck Eco has been designed to withstand high loads throughout its lifecycle.

2. **Low Water Absorption**
   Developed to achieve low water absorption of less than 0.5%, Dura Deck Eco will continue to perform in all weather through its 10-year warranty period.

3. **Colour Retention**
   Latest technology deployed to ensure the colour fade over time is minimal, 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.
Dura Deck Flip Resist 150

This stunning product takes the colours from our Flip Resist range and combines them into one single decking board profile so you can experiment with two colours in one design, or ‘flip’ your deck at a later date for a whole new look.

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 Flip Resist is fire resistant to Class C, 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 woodgrain 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 Flip Resist never requires painting or treating and is easy to clean.
Why Choose Dura Deck Flip Resist?

6 Reasons For Choosing Dura Deck Flip Resist:

1. Resists Fire
   Designed and tested to meet the requirements of BS EN 13501 Class Cfl-s1. A Class B fire rating is also available as special order, but is subject to extended lead times.

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 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!

6. 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 to resist significant deformation or sag for its expected working life.

Product Comparison Table

<table>
<thead>
<tr>
<th>Product</th>
<th>Board Type</th>
<th>Board Thickness</th>
<th>Board Length</th>
<th>Board Width</th>
<th>Max Span</th>
<th>Weight (Lin m)</th>
<th>Weight per length</th>
<th>Boards per Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flip Resist 150</td>
<td>Hollow</td>
<td>25mm</td>
<td>3660mm</td>
<td>150mm</td>
<td>400mm</td>
<td>1.74kg</td>
<td>10.93kg</td>
<td>188 Pcs</td>
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<tr>
<td>Flip Resist 150</td>
<td>Solid</td>
<td>36mm</td>
<td>3660mm</td>
<td>150mm</td>
<td>400mm</td>
<td>1.95kg</td>
<td>11.71kg</td>
<td>185 Pcs</td>
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<td>Flip Board Fascia</td>
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Material Specifications

- **Linear Thermal Expansion (Lengthways)**: Test method: ISO 11359-2:1999 Method A Rate of temperature: 7 °C/min
- **Modulus of Elasticity (1-5% Deflection)**: Test method: EN 317:1995
- **Density**: Test method: ASTM D792-13 Method B 1.27 g/cm³
- **Water Absorption**: Test method: EN 317:1993 0.18%
- **Charpy Impact Strength**: Test method: EN ISO 179-1:2010 2.6 kJ/m²
- **Resistance to Indentation**: Test method: EN 15534-1:2014 Section 7.5 Brinell hardness: 61.5 Mpa
- **Flammability**: Test method: EN13501-1 (EN ISO 9239-1) and (EN ISO 11925-2) Cfl-s1 as standard. Class B available as special order.
- **Flexural Stiffness**: Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8 Flexural Stiffness: 4160 Mpa

Dura Deck Flip Resist Profiles

Anti-Slip Resistances

<table>
<thead>
<tr>
<th>Direction</th>
<th>Condition</th>
<th>Woodgrain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Longitudinal</td>
<td>Dry</td>
<td>3</td>
</tr>
<tr>
<td>Transverse</td>
<td>Dry</td>
<td>4</td>
</tr>
<tr>
<td>Diagonal</td>
<td>Wet</td>
<td>5</td>
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<tr>
<td>Longitudinal</td>
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<tr>
<td>Diagonal</td>
<td>Wet</td>
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</tbody>
</table>

While the above test data is considered to be true and correct as of the date of publication, changes to the product composition after the time of publication may impact on the accuracy of the data. Please consult your Dura Composites representative for copies of the most up to date test data available. Please note that it is the responsibility of the purchaser to make their own decisions about the accuracy, recency and correctness of the information provided and the product’s suitability for their specific application.

www.duracomposites.com
Dura Deck Resist 150

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 woodgrain 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.
Why Choose Dura Deck Resist?

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 legislation for domestic and low rise applications.

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 due to the 360° armour and 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!

---

### Dura Deck Resist Profiles

<table>
<thead>
<tr>
<th>Material</th>
<th>Board Type</th>
<th>Board Thickness</th>
<th>Board Length</th>
<th>Board Width</th>
<th>Max Span</th>
<th>Weight / Lin m</th>
<th>Weight per Length</th>
<th>Boards per Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resist 150</td>
<td>Hollow</td>
<td>25mm</td>
<td>3660mm</td>
<td>150mm</td>
<td>400mm</td>
<td>3.56kg</td>
<td>11.88kg</td>
<td>168 Pcs</td>
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<tr>
<td>Resist 150</td>
<td>Solid</td>
<td>25mm</td>
<td>3660mm</td>
<td>150mm</td>
<td>400mm</td>
<td>4.94kg</td>
<td>18.08kg</td>
<td>100 Pcs</td>
</tr>
<tr>
<td>Resist Fascia</td>
<td>Solid</td>
<td>10mm</td>
<td>3660mm</td>
<td>180mm</td>
<td>Infill only</td>
<td>2.19kg</td>
<td>8.56kg</td>
<td>100 Pcs</td>
</tr>
</tbody>
</table>

### Material Specifications

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test parameter</th>
<th>Dura Deck Resist Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Thermal Expansion (Lengthways)</td>
<td>Test method: ISO 11359-2:1999 Method A Rate of temperature: 3 °C/min</td>
<td>36×10^(-6) K^(-1)</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>Test method: EN 317:1993</td>
<td>0.18%</td>
</tr>
<tr>
<td>Density</td>
<td>Test method: ASTM D792-13 Method B</td>
<td>1.27 g/cm³</td>
</tr>
<tr>
<td>UV Light Ageing Test</td>
<td>Test method: ASTM G154-16 &amp; ASTM D2244-16 UV Exposure cycle: Exposure duration: 1000h</td>
<td>ΔE*ab = 5.72, Equivalent to Grey Scale: 4</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>Test method: ASTM D638-14</td>
<td>19.1 Mpa</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8</td>
<td>25.3 Mpa</td>
</tr>
<tr>
<td>High Temperature Effect (95 °C)</td>
<td>Test method: ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8</td>
<td>18.9 Mpa</td>
</tr>
<tr>
<td>Moisture Effect (85%RH)</td>
<td>Test method: ASTM D7032-17 Section 4.5.2 and ASTM D4761-13 Section 8</td>
<td>37.3 Mpa</td>
</tr>
<tr>
<td>Freeze-Thaw Effect</td>
<td>Test method: reference to ASTM D7032-17 Section 4.7 and ASTM D4761-13 Section 8</td>
<td>Freeze-thaw exposure cycle: ① Submerge underwater for 24h→②-29°C, 24h→③ 23±2°C, 24h→④-29°C→⑤ 23±2°C, total three cycles</td>
</tr>
<tr>
<td>Flammability Resistance</td>
<td>Test method: reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8</td>
<td>24.9 Mpa</td>
</tr>
<tr>
<td>Charpy Impact Strength</td>
<td>Test method: EN ISO 179-1:2010</td>
<td>2.6 kJ/m²</td>
</tr>
<tr>
<td>Anti-Slip Resistances</td>
<td>Test method: EN ISO 15534-1:2014 Section 7.2</td>
<td>Brinell hardness: 61.5 Mpa</td>
</tr>
</tbody>
</table>

---

**Anti-Slip Resistances**

<table>
<thead>
<tr>
<th>Slip Resistance Values - BS 7976*</th>
<th>Type 150</th>
<th>Type 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direction</td>
<td>Condition</td>
<td>MonoGrip</td>
</tr>
<tr>
<td>Longitudinal</td>
<td>Dry</td>
<td>12</td>
</tr>
<tr>
<td>Transverse</td>
<td>Dry</td>
<td>12</td>
</tr>
<tr>
<td>Lengthwise</td>
<td>Wet</td>
<td>17</td>
</tr>
<tr>
<td>Transverse</td>
<td>Wet</td>
<td>37</td>
</tr>
<tr>
<td>Diagonal</td>
<td>Wet</td>
<td>43</td>
</tr>
</tbody>
</table>

*5S Rubber Slider
Pendulum Test Values (PTV)
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 35mm & 50mm

Additional Fixings

- Double Clip
- Half Clip
- Central Fixing Clip

Finishing Options

- Resist Fascia Board
- Colour Coded End Caps

Simple Installation

Step 1: Secure the first board in position by screwing the start stop clips into place along the bearer or joists. 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 2A: If your boards butt join across a bearer or joist, 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.

Step 3: To secure the final board on the deck edge, use 1 start stop clip per bearer / joist or every 400mm on the parallel bearer or joist (as demonstrated).

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

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

- End Cap
- Fascia
- Colour Coded End Caps

STEP 1
STEP 2
STEP 3
STEP 4
STEP 5A
STEP 5B
STEP 2A
STEP 2B

Decking Overview

Resist Fascia Board

Colour Coded End Caps

www.duracomposites.com
Our Essential Guide to Getting the Most From Your Dura Deck Installation

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 within 30 days.

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/

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.

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.

Please Note: All colour swatches and textures shown in this document are intended as a representation only and should not be considered as an exact colour match. We would always recommend ordering free colour samples so you can assess colour suitability before placing your order. 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 Eco and Resist are extremely colour stable, there will likely be some initial colour lightening as the product weathers, which typically occurs in the first 3 months. The rate of weathering will vary according to the amount of UV and the surroundings.
Our Dura Pedestals and Dura Bearers can be easily combined to suit all project needs. With 7 different heights of pedestals and 3 different heights of bearers, the Dura Composites system provides the most economical substructure combination on the market and is suitable for balconies, garden projects and everything in between. The Dura Composites Aluminium Support System can be used on sloping or uneven ground with gradients of up to 10° Degrees - which is equivalent to an amazing 1:6 fall! For more details please see our dedicated Aluminium Support System Brochure.

The paint coating on our Dura Pedestals and Bearers features an A2 rated anti-glare powder-coated finish that comes with a reassuring 10-year warranty. The anthracite colour will blend seamlessly into the floor surface, regardless of the decking surface colour you choose for your project. Customers can have confidence that all our Aluminium products have been certified and tested by a UKAS accredited body, satisfying current fire legislation; with testing carried out in an environment to replicate that of an actual flooring installation.
Dura Bearer

Aluminium Dura Bearers offer a simple and long-life decking substructure solution for gardens, balconies and large commercial projects. Unlike timber subframes, which can twist, rot or warp over time, Dura Bearers are made from 6063 grade aluminium (T6) and have a greater strength-to-size ratio than traditional materials.

### Features
- Non-combustible, A2 fire-rated as standard
- High strength 6063 Grade Aluminium (T6)
- 100% recyclable
- Supports any type of conventional decking boards
- Versatile when combined with Dura Pedestals
- Anthracite powder coating to bearers and pedestals - RAL7043
- 10 Year warranty on painted finish
- Expected 60-year design life

### Benefits
- Meets latest safety legislation
- Strong and long lasting
- Sustainable solution with long design life
- Will never rot, ensuring superior longevity of decking
- Combined with Dura pedestals to overcome complex site issues
- Protective anti-glare paint coating avoids reflection in sunlight
- Blends seamlessly into decking and won’t flake or fade
- Years of useful service life for maximum peace of mind

Dura Bearers are available in three sizes (25mm, 50mm and 75mm). They can be installed directly onto hard surfaces, such as concrete or paving, as well as onto soft surfaces such as soil, sand or grass, provided the area has been compacted and bricks, pavers or concrete slabs are placed beneath the bearers at suitable intervals.

When combined with our Dura Pedestal range as a complete A2 fire-rated system, they can be used on sloping or uneven ground with gradients of up to 10° Degrees - which is equivalent to an amazing 1:6 fall!

### Dura Aluminium Bearer 25mm
- Milled Finish 25x48x3660mm
- Anthracite Painted Finish 25x48x3660mm

### Dura Aluminium Bearer 50mm
- Milled Finish 50x48x3660mm
- Anthracite Painted Finish 50x48x3660mm

### Dura Aluminium Bearer 75mm
- Milled Finish 75x48x3660mm
- Anthracite Painted Finish 75x48x3660mm

**Special Order only**

Dura Pedestals

Aluminium Dura Pedestals have an A2 fire-rating and a unique patent pending design which helps overcome even the most complex of installation challenges. Available in 7 different variants, the anthracite coloured pedestals are designed to work seamlessly with our aluminium Dura Bearers to provide the most economical A2 rated support system on the market.

Unlike plastic pedestals, the Dura Pedestals have a single unit construction, with no fiddly separate components (such as bearer holders, slope correctors or spacers) to unpack and assemble. The tripod design features enhanced stability to mitigate the risk of rolling and can be butted right up to the wall or edge without the need for cuts. If your project requires a fall, or if your substructure is not level, each pedestal includes handy visual notches at 5mm intervals so you can easily secure your bearers at your desired height.

Available in seven heights (25.5mm, 50.5mm, 85.5mm, 117.5mm, 152.5mm, 187.5mm and 222.5mm), Dura Pedestals can be installed directly onto hard surfaces, such as concrete or paving, as well as onto soft surfaces such as soil, sand or grass, (provided the area has been compacted and bricks, pavers or concrete slabs are placed beneath the bearers at suitable intervals).

When combined with our Dura Bearer range as a complete A2 fire-rated system, they can be used on sloping or uneven ground with gradients of up to 10° Degrees - which is equivalent to an amazing 1:6 fall!

### Dura aluminium Bearer 25mm
- Milled Finish 25x48x3660mm
- Anthracite Painted Finish 25x48x3660mm

### Dura aluminium Bearer 50mm
- Milled Finish 50x48x3660mm
- Anthracite Painted Finish 50x48x3660mm

### Dura aluminium Bearer 75mm
- Milled Finish 75x48x3660mm
- Anthracite Painted Finish 75x48x3660mm

Features:
- Non-combustible, A2 fire-rated as standard
- High strength 6063 Grade Aluminium (T6)
- 100% recyclable
- Supports any type of conventional decking boards
- Versatile when combined with Dura Pedestals
- Anthracite powder coating to bearers and pedestals - RAL7043
- 10 Year warranty on painted finish
- Expected 60-year design life

Benefits:
- Meets latest safety legislation
- Strong and long lasting
- Sustainable solution with long design life
- Will never rot, ensuring superior longevity of decking
- Combined with Dura pedestals to overcome complex site issues
- Protective anti-glare paint coating avoids reflection in sunlight
- Blends seamlessly into decking and won’t flake or fade
- Years of useful service life for maximum peace of mind

Registered Design No. EU 007 827 746
Patent Application No. GB 2005553.9
Up to 4 Times Faster Than Other Decking Substructure Methods

The Anthracite paint finish of the bearers and pedestals won’t stand out against the decking surface. Versatile height combinations will suit all threshold requirements.

When Dura Bearers and Dura Pedestals are combined, they are able to overcome a huge slope range and can be used in areas with gradients of up to 10° Degrees - which is equivalent to a 1:6 fall!

Fewer components to buy, unbox and install

Dura Pedestals come in easy to handle boxes of up to 25 units, with no fiddly separate components (such as slope correctors or fixed heads) - saving you valuable time on site.

Suitable for all kinds of decking installation

The Anthracite paint finish of the bearers and pedestals won’t stand out against the decking surface. Versatile height combinations will suit all threshold requirements.

Single unit construction gives added stability

Unlike plastic pedestals which are made of multiple components with several potential points of weakness, our patent-pending design offers enhanced stability and less risk of movement or rolling during installation.

Inserting the bearer immediately prevents the pedestal from falling over which is particularly useful in situations where the project is being installed by a single worker.

Suitable for all high rise or public sector projects which require fire-rated solutions

The Dura Pedestal and Bearer system has been developed to be fully compatible with the latest developments in fire safety legislation to help improve building safety. Both components achieve a Class A2 fire rating to EN13501-1 flooring standards with their anthracite powder coated finish and an A1 rated mill finish is also available by special order. We also offer Class A2 Dura Deck Aluminium Standard Duty (SD 18mm) and Dura Deck Aluminium Heavy Duty (HD 27mm) as the perfect complementary decking surface finish.

Ideal for use on sloping or uneven ground

When Dura Bearers and Dura Pedestals are combined, they are able to overcome a huge slope range and can be used in areas with gradients of up to 10° Degrees - which is equivalent to a 1:6 fall!

Unique design self-adjusts to the correct position

Each pedestal can be slid onto the bearer in a matter of seconds. When the bearer is fixed into the first and last pedestal of the run at the right height, it creates the required fall at a pre-set angle, so there’s no need to adjust each individual pedestal.