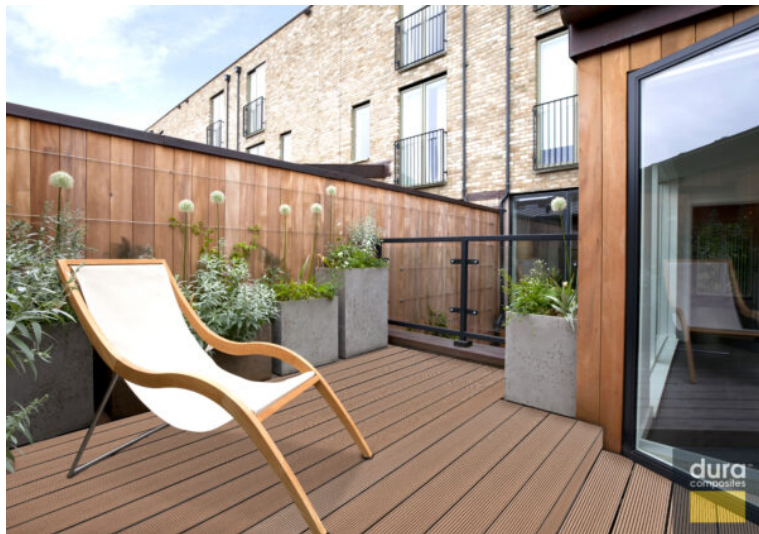


Dura Deck Eco



OVERVIEW

Dura Deck Eco Range

Eco-Friendly & Economical

Dura Deck Eco has a unique formula engineered to the highest standard WPC technology, reaching the highest standard for wood plastic composite in the world. Our product range of composite decking boards are eco-friendly and economical, suitable for a range of applications. The boards come in two widths, **146mm** and **295mm** with the narrower boards resembling a more traditional appearance of natural wood planks, and the double width boards used when priority is maximising the speed of installation or span capability.

Colours

Our Dura Deck Eco decking boards are available in three colours:

Teak, Charcoal and Stone. Colour samples are available on request, or for large orders, bespoke colours can be selected. Additionally, all **Dura Deck** composite timber boards are reversible, allowing installers to choose from two attractive and durable finishes.

Please note that colours shown are representative only; actual colours may vary slightly. Whilst **Dura Deck** is relatively colour stable, there will likely be some initial colour lightening as the product weathers, which typically occurs in the first 3 months.

Advantages of the Eco Range

The main feature of this range is its environmentally friendly and sustainable manufacturing. Comparison of the **Dura Deck Eco** Range to both non-composite and composite competitor products show superior fire class ratings (Class C), minimal UV colour fade (min grey scale C) and water absorption (0.5% or less). The boards additionally have been tested for freeze-thaw effects, anti-slip potential and flexural stiffness, demonstrating the high safety standards of the range.

Further Product Information

ENVIRONMENTAL CREDENTIALS

Certification

FSC

TECHNICAL INFORMATION

“**Linear Thermal Expansion (Lengthways)**

Test Parameter – ISO 11359-2:1999 Method A Rate of temperature: 3 °C/min / Result – $44.8 \times 10^{-6} \text{ K}^{-1}$

Water Absorption

Test Parameter – EN 317:1993 / Result – 0.50%

Density

Test Parameter – ASTM D792-13 Method B / Result – 1.317 g/m³

UV Light Ageing Test

Test Parameter – ASTM G154-16 & ASTM D2244-16 UV Exposure cycle: Exposure duration: 1000h / Result – ΔE^*_{ab} = Grey Scale 4

Tensile Strength

Test Parameter – ASTM D638-14 / Result – 23.2 Mpa

Flexural Strength

Test Parameter – reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8 / Result – 33.7Mpa

Low Temperature Effect (-29 &±2&°C)

Test Parameter – ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8 / Result – 45.4 MPa

High Temperature Effect (52 &±2&°C)

Test Parameter – ASTM D7032-17 Section 4.5.1 and ASTM D4761-13 Section 8 / Result – 27.4 MPa

Moisture Effect (85%RH)Freeze-Thaw Effect

Test Parameter – ASTM D7032-17 Section 4.5.2 and ASTM D4761-13 Section 8 34.4 MPa
Freeze-Thaw Effect / ASTM D7032-17 Section 4.7 and ASTM D4761-13 Section 8 Freeze-thaw exposure cycle : 1) Submerge underwater for 24hâ†'2) -29&°C, 24hâ†'3) 23&±2&°C / Result – 34.4MPa Flexural Strength after freeze-thaw resistance: 33.7Mpa

Flexural Stiffness

Test Parameter – reference to ASTM D7032-17 Section 4.4 and ASTM D4761-13 Section 8 / Result – Flexural Stiffness: 4637 Mpa

Resistance to Indentation

Test Parameter- EN 15534-1:2014 Section 7.5 / Result – Brinell hardness: 104 Mpa

Charpy Impact Strength

Test Parameter – : EN ISO 179-1:2010 / Result – 4.4 kJ/m²

Flammability Resistance

Test Parameter – EN13501-1 (EN ISO 9239-1) and (EN ISO 11925-2) / Result – Cfl-S1 – As Standard