



ENJURA —

Deck finishes which endure

A brief snapshot of technical decking specification.

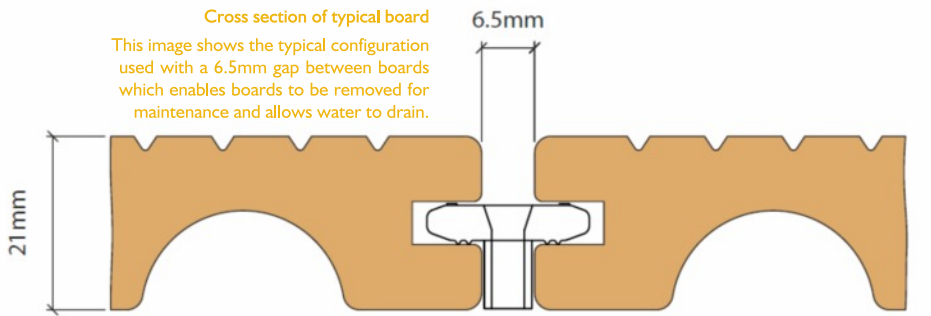
Technics:	Wood Plastic Composite(WPC)
Raw Material:	55% Grade A Recycled wood+35% HDPE+10% Additives
Size:	140x21mm (width x thickness) 146mm module inc gaps between deck boards
Length:	3m standard or up to 6m
Weight	2.95 Kg/lm and 20.35 Kg/m2
Design:	Solid boards with grooves for fixing clips
Manufacturers Warranty:	25 years
Slip Rating:	44 PTV when wet 78 PTV when dry
Certificates:	CE EN 14041, BV, SGS (ASTM standard), ISO 9001, ISO 24001, FSC etc

“Looks great, very easy to install, and was a cost effective choice for our project.”

Enjura decking uses a hidden clip captivated within the gaps between boards. This not only provides a very neat finish, but often makes, fitting, replacement & maintenance much easier.

Cross section of typical board

This image shows the typical configuration used with a 6.5mm gap between boards which enables boards to be removed for maintenance and allows water to drain.



Decking finishes and colours

Enjura decking is available in 5 main colours as per the swatches on the right hand side.

The standard finish is shown on the left which is a standard grooved finish.

Other finishes and colours are available to suit custom requirements.

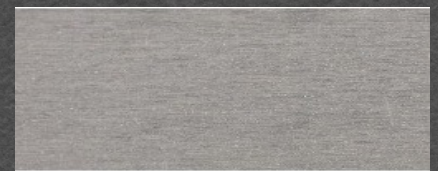
COLOURS



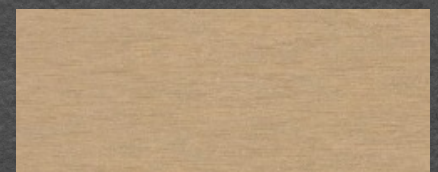
S1 = Old Mahogany Brown



S2 = Faded Ebony Grey



S3 = Weathered Ash Grey



S4 = Sanded Oak Brown

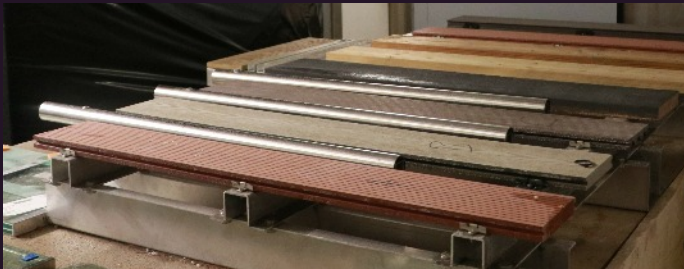


S5 = Willow Tree Green

Enjura decking has been subjected to many tests by a UKAS accredited body.

Tests included pendulum slip tests, Hygrothermal lifespan testing, impact & break testing.

Further manufacturer tests and other industry standard testing by reputable organisations, for example SGS, have also been conducted.



SGS TEST REPORT

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Test Item 8: Fumling and water absorption
Test method: EN 15544:2014 Section 4.5.5 and EN 15544:2014 Section 5.5.2
Test condition:
Reference: TPA 168-2016
Atmospheric condition: Relative water: 90±1%; 20±1

Test result:

Test Item	Thickness	Width	Length
Water swelling	13.9%	1.26%	0.21%
Max. individual swelling	0.40%	1.30%	2.00%
Water vapor absorption	1.2%		
Max. individual water absorption	1.1%		

SGS 16824-2014 requirement:

Test Item	Thickness	Width	Length
Water swelling	4.0%	4.0%	4.0%
Max. individual swelling	0.3%	1.2%	1.0%
Water vapor absorption	1.1%		
Max. individual water absorption	1.0%		

Conclusion: Pass

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Test Item 9: Moisture resistance, drying test
Test method: EN 15544:2014 Section 4.5.5 and EN 15544:2014 Section 5.5.2
Test condition:
Condition: temperature: 60±0.5°C for 16h and temperature: 10±0.5°C during 16 hrs
Condition: for water: 90±1% and a relative humidity of 90±1% and a relative humidity of 90±1% to 95%

Test result:

Moisture value of water absorption: 1.0%

Max. individual value of water absorption: 1.0%

EN 16824-2014 requirement:

Moisture value of water absorption: 1.1%

Max. individual value of water absorption: 1.1%

Conclusion: Pass

Test Item 10: Break resistance
Test method: EN 15544:2014 Section 4.2.7 and EN 15544:2014 Section 5.3 and EN 15544:2014 Section 5.4
Test condition:
Specimen: 200x100x25 mm
Condition: 20±0.5°C for 16h and then cool down to 10±0.5°C
Test result: 1000N

Test Item 11: Break resistance
Test method: EN 15544:2014 Section 4.2.7 and EN 15544:2014 Section 5.4
Test condition:
HR500 test speed: 20mm
Specimen: 100x140x25 mm (horizontal position)
Condition: at temperature: 20±0.5°C
Block control specimen temperature: 20±0.5°C
Test result: 48.8N



Composite decking has become the most popular choice for decking, as the longevity, low maintenance, and high perceived value are considered. Composite decking is designed to endure.



What key requirements need to be considered as part of designing decking for residential schemes?

NHBC decking guidance

Many residential properties in the UK, particularly the larger schemes are insured by warranty companies, NHBC (National House Builders Council) being the largest.

NHBC have their own set of standards aimed at achieving better build quality construction. The NHBC guidance in relation to decking and paving layout and spacing, was previously considered as difficult to understand and could be interpreted varying different ways.

This confusing has generally been addressed by more recent NHBC guidance, which clarifies decking gap restriction in three parts:

- Gaps should be provided between decking and paving at balcony perimeters.
- Minimum 10mm gaps should be provided between individual units of decking or paving, and the threshold sill, perimeter walls, and kerbs.
- Spacers and supports which raise decking or paving should not obstruct the flow of rainwater to outlets.

These are shown on the below diagram to help guide you in how these can be applied in a typical balcony image.

Gaps at perimeter between glass and decking around the perimeter of the balcony.

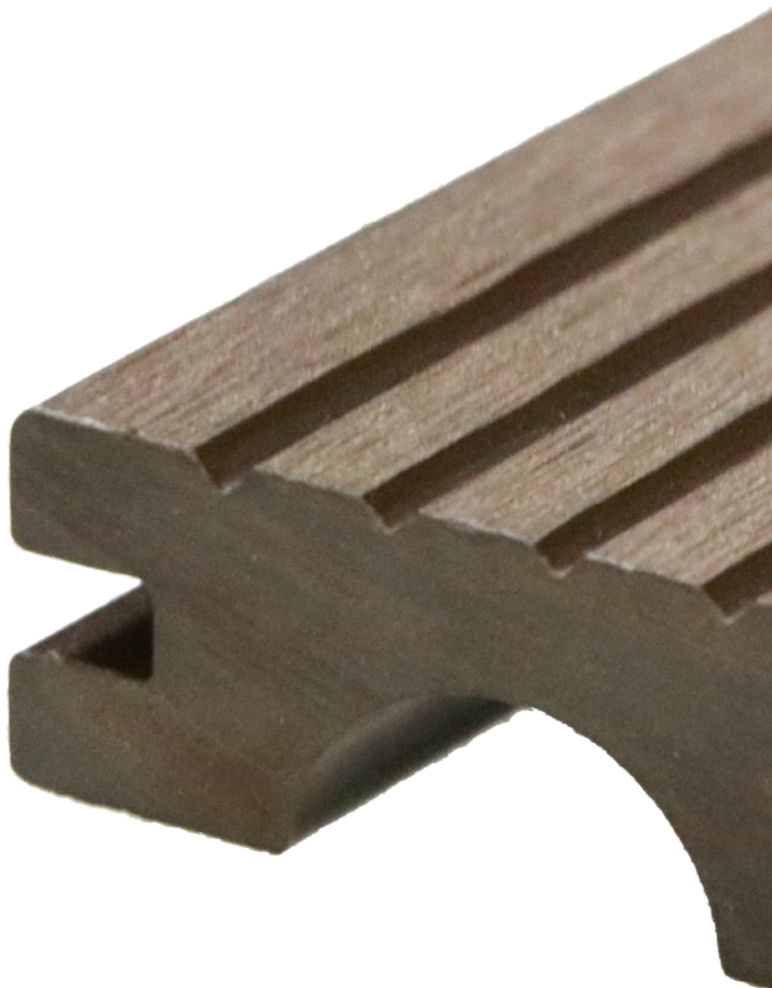
Minimum 10mm gaps should be provided between individual units of decking or paving, & the threshold sill.

Uninterrupted flow from gaps in between deck boards to drip trays below, and then the flow to the outlets, is not to be restricted by decking supports.

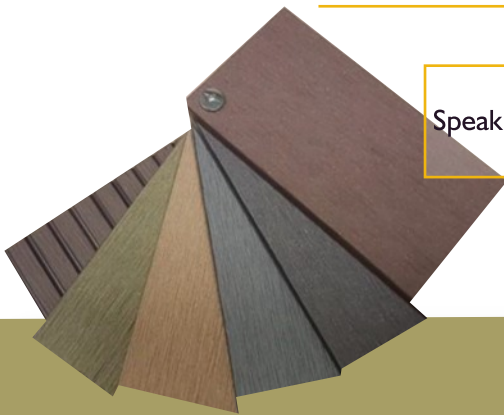


You choose the application, Enjura provides the solution.

You watch it endure the elements and provide the low maintenance benefits that the synergy of composite deck boards with hidden clips gives you.



Need Samples?
Speak to the distributor
on the rear cover.



Enjura has been used for a wide range of applications including; cantilever metal balconies, roof terrace, communal podium areas, domestic garden decking, etc. Many applications also have included features like deck lighting.

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