

## SHERA Decking Technical Specification Sheet

SHERA fibre cement deck boards are a durable and hard wearing solution for residential balconies and terraces. Stylish and with minimal maintenance, the boards are also non-combustible so are fully compliant with UK building regulations achieving a Euroclass A2-S1, D0 rating.

### Product Properties

The deck boards come in 3.0 metre lengths and are 25mm thick. Available in a 150mm wide board or a more contemporary 200mm wide board with a choice of four colour through options in a straight grain or cassia surface texture.

	Surface Texture		Thickness (mm)	Width (mm)	
	Straight Grain	Cassia	25	150	200
<b>Tropical Oak</b>	•		•	•	•
<b>Golden Sand Teak</b>	•		•	•	•
<b>Brown Wenge</b>	•		•	•	•
<b>Brown Chestnut</b>		•	•	•	•

Physical Properties	Standard	Unit	SHERA Deck Board
<b>Thickness Tolerance</b>	ASTM C1185	mm	± 1.5
<b>Density</b>	ASTM C1185	kg/ou.m	1300 ± 50
<b>MOR</b>	ASTM C1185	MPa	> 14.0 (wet)
<b>MOE</b>	ASTM C1185	MPa	3.100
<b>Water Absorbtion</b>	ASTM C1185	%	< 35%
<b>Moisture Content</b>	ASTM C1185	%	< 1.5%
<b>Water Tightness</b>	ASTM C1185		Pass
<b>PH Value</b>	ISO 10390:2005		7-8

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### Recommend Spans

We recommend the following joist centres for the two difference widths that we offer:

25mm thick x 150mm wide boards - 400mm centres

25mm thick x 200mm wide boards - 500mm centres

### Joist Spacing: load bearing data

SHERA decking is designed to be installed correctly using the appropriate frame materials and used with 'normal' levels of uniform loads. Typical load bearing data can be seen below:

SHERA decking boards 25mm thickness	150/200mm						
	Span of decking support	300mm	400mm	500mm	600mm	800mm	1000mm
Safety factor: 2.5-Kg/m <sup>2</sup>		5.649	3.171	2.024	1.401	782	495

### Fire Rating

SHERA deck boards have been independently tested against BS EN 13501-1:2007+A1:2009. Our fire certificates are available upon request or can be downloaded from our website. SHERA boards are non-combustible and achieve the following ratings:

**Construction products classification – Euroclass A2-S1, D0**

**Flooring classification – Euroclass A1fl**

### Installation

SHERA deck boards are very simple to install using stainless steel fixings. Face fixed for a secure fixing directly into aluminium joists or structural steel below. SHERA screw plugs are also available to hide the deck screw heads. Our recommended installation instructions should be followed which can be found on our website.

### Maintenance

Like any hard landscaping material in an external setting, dust, dirt and debris will accumulate on the boards so we recommend an annual clean with warm soapy water using a soft sponge to remove this. Regular sweeping will also help prevent the build up of dust and debris. Other than that, no additional maintenance or specialist cleaning products are required.