



Provided that our Storage Maintenance and Fitting Instructions are followed at all times the Product has the following specifications

## Engineered Wood Flooring Product Specification & Technical Data Sheet

**Product Code: E509 ABCD 3L YSJ Engineered Wood Floor  
HARD WAX OILED MIXED GRADE AMERICAN BLACK WALNUT FLOORING**



### Sustainability:

*The Solid Wood Flooring products are not listed in CITES Appendices or on the IUCN Red List of Threatened Species.*

*This is an ethically sustainable sourced engineered timber wood floor designed for use as an interior floor finish. Engineered wood floors are more sustainable than solid and minimise the impact on valuable resources. The construction means that these wood floors are more stable than solid floors.*

### Product Details

Wood type:	American Black Walnut – <i>Juglans Nigra</i> .
Size:	15mm thick x 190mm wide x 1900mm long
Finish:	Hard Wax Oiled: <b>(Requires hard wax oil to be applied post-fit, please see board performance section and post-fit section of this datasheet for more information)</b>
Process :	Smooth
Length:	Length 1900mm with one or two boards in the carton split to allow for staggered end joints
Profile:	Tongue and Grooved
Pattern:	Single width plank
Edge Profile:	Micro Bevel (all four sides)
Top Layer:	Solid Walnut top layer 4mm thick
Construction:	Engineered 3-Layer (poplar core and base layer)
Adhesive:	Dynea adhesive that meets European standard E0 used in the construction
Grade:	ABCD Grade with colour variation, swirls, knots & sap (see grading document for details)
Packing:	Cardboard cartons, shrink wrapped with 8 pieces per carton and 2.89m <sup>2</sup>
Weight:	Each carton will weigh approx. 25kgs
Underfloor Heating:	This floor is suitable for underfloor heating which must be operational before installation

### Installation Methods:

Fully Bonded:	RECOMMENDED using the SW-890 MS Polymer flexible adhesive.
Secret nailed:	This will depend on the subfloor and site conditions.
Floated:	Yes, subject to the subfloor and environmental conditions.
Over Underfloor Heating:	Yes, compatible for UFH subject to following the correct installation requirements.

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## Aesthetics and Wood Flooring Characteristics:

*Wood flooring is a natural product, and will have inherent characteristics such as shade variation, different graining and knotting. It is the art (and responsibility) of the fitter to re-manufacture the wood flooring materials to create a finished floor.*

A rich variety of natural wood characteristics such as knots, mineral highlights, pin holes, distinctive differences in colour, and grain configuration provides the truest wood grain texture and detail that nature has to offer. These natural appearances are not construed as defects. Being a natural material, hardwood floors will react to humidity and temperature variations. In high humidity, wood picks up moisture and swells; in low humidity wood releases moisture and shrinks. At some periods of the year splits may temporarily appear between the boards. This phenomenon is normal. Gloss reduction is a normal feature of wear and tear as is fading if exposed to excessive ultra violet light. Exposure of the flooring to sunlight will alter the colour of the floor, exposure for prolonged periods to excessive heat from the sun through glass in summer (such as conservatories) will make it shrink and it will then expand in winter, this will happen even with engineered flooring, this is normal. This is a natural reaction for wood floors which is not considered a defect.

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## Board Performance

<i>Finish:</i>	<i>Walnut is more porous than Oak, it will soak-up/absorb more oil. A coat of Hard Wax Oil is required after fitting. For more information please see 'Post-Fit' section</i>
<i>Fire Protection:</i>	<i>Reaction to fire – wood flooring performs to EN 13501-1 Dn s1</i>
<i>Thermal Conductivity:</i>	<i>EN ISO 10456 and EN ISO 12664 Result 0.15 W/(mk)</i>
<i>Moisture Content:</i>	<i>EN 13183 - 1 Requirement: 6% to 9% Average Results: &lt;7%</i>
<i>Thermal Conductivity:</i>	<i>EN ISO 10456 / EN ISO 12664 Result 0.15 W / (mk)</i>
<i>Release of Formaldehyde:</i>	<i>Class E1   EN 717 – 1:2006 Result 0.014 mg / m3 Requirement: Less than 3 ppm Result: 0.0053 ppm</i>
<i>Slip Resistance:</i>	<i>Tested to BS 7967-2: 2002 (Pendulum Test in PTV values) Oiled Finish results: DRY (66) <b>LOW RISK</b> WET (29) <b>MODERATE RISK</b> There is no current requirement for slip resistance in residential developments.</i>
<i>Suitability of use:</i>	<i>Suitable for use with under floor heating in commercial and residential applications.</i>
<i>Effects from moisture:</i>	<i>Wood flooring will expand if it is exposed to conditions that increases its moisture content beyond 9%. Wood flooring will contract if the prevailing conditions reduce the product moisture content below 6%. Any exposure outside of these parameters will compromise the performance of the product.</i>
<i>Transmission of Sound:</i>	<i>Wood flooring on its own will offer some assistance to reduce the passage of sound, but it is the build-up of the whole floor and the surroundings that contribute to impact and airborne sound. For accurate assessment's a qualified engineer should be employed to calculate how to achieve accurate results.</i>
<i>Thermal properties:</i>	<i>Solid Wood Flooring boards offer the following values: 20mm thick boards with a 4mm or 6mm top layer will lose 0.10 K/Wm2 15mm boards with a 4mm or 6mm top layer will lose 0.08 K/Wm2</i>
<i>Manufacturing:</i>	<i>Engineered floors are manufactured in accordance with accepted industry standards, which permit a tolerance not to exceed 5%. The variations may be of a manufacturing or natural type (this does not include colour variation).</i>

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**Samples:** *Small samples will give a representative example of the colour of the finished floor. However, inherent characteristics of wood will make every individual piece of wood unique and one small sample **WILL NOT** be representative of the overall effect of a natural wood floor. Therefore, should it be necessary to gain a better understanding of how a larger area will look, purchasing cartons for a sample area should be considered, before making a final decision.*

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## **Storage: See our Storage Fitting and Maintenance Instructions part of our T&C's**

*DO NOT take boards onto site until all WET trades have been completed.*

## **Fixing: See our Storage Fitting and Maintenance Instructions part of our T&C's**

*All wood Flooring products should be fitted in accordance with BS8201:2011*

### **NBS:**

*NBS specifications can be written by request once we have full details of the subfloor build up.*

## **Cleaning: See our Storage Fitting and Maintenance Instructions part of our T&C's**

**(never use solvent cleaning solution)** *Correct cleaning and maintenance is important. Contamination from paints, whether oil or acrylic based will prove to be difficult to remove without damaging the wood surface. If any paint finds its way onto the wood surface, then BEFORE it completely dries, gentle rubbing with a non-alcoholic wipe might soften and remove the paint - but once the paint has dried it will be almost impossible to remove.*

### **Post Fit:**

***Please note:** Walnut is more porous than Oak. This means it will soak-up/absorb more oil. A coat of hard wax oil should be buffed into the Walnut (using a white buffing pad) AFTER the floor has been fitted, all other works completed and the builders clean (in accordance with our Storage Fitting & Maintenance Instructions) has been properly carried out. Doing this will increase the lustre of the wood and enhance the protection.*

### **BRE Green Guide:**

*A generic product of this type would correspond to Element Number 1321580001 of the BRE Green Guide 2008 ratings and achieve a rating of A+. The actual Kg/m<sup>2</sup> achieved will be dependent on the type of fitting chosen. The Solid Wood Flooring Company recommend that as a basis for achieving this result all fitting must conform to BS8201:2011*

### **Health & Safety:**

*Engineered wood flooring is a natural product and on its own offers no recognisable health and safety risks. When re-manufacturing any wood product please follow HSE advice.*

### **Company Approvals:**

*The Solid Wood Flooring Company operate a stringent sustainable environmental policy, details of which can be seen on the web site. We are certified by all the relevant organisations and our certificate numbers can be seen below:*

*FSC® - Solid Wood Flooring Trademark License Number: FSC® C007915*

*FSC® - Solid Wood Flooring Chain of Custody Number: NC-COC-005535 HA*

*PEFC™ - Solid Wood Flooring Trademark Licence Number: PEFC/16-37-1814*

*PEFC™ - Solid Wood Flooring Certificate Number: CATG-PEFC-400-AT*

*WWF® - The Solid Wood Flooring Company achieved the highest - 3 Trees - accreditation*

**Never build onto a wood floor:** *Wood doesn't provide a good foundation to build onto. Therefore, it is important to design any cabinets and internal furniture with their own structural base and not to be sat on the wood flooring, so that should any damage occur, the floor finish can be easily repaired or removed. Wood flooring should never be used as a foundation, even if it is fully bonded, and building cabinets or stud walls onto any wood floor would be asking for serious trouble and remain the responsibility of the designer or specifier.*