



The Solid Wood Flooring Company  
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## Architects and Contractors Product Type Testing Results for Engineered Wood Flooring

You will find our generic NBS specification document in the Architects section in the RIBA product selector or on the web site where it is in a word file. However if you do not want to do this yourself please advise us of the following and we can complete one for you.

1. Solid Wood Flooring Product Code e.g. E158
2. Sub Floor Construction screed or cradle system or other
3. Underfloor heating system type if any
3. Site conditions: new build, listed building, refurbishment etc.,

We hope this document helps and you should be able to simply copy and paste the test results below to your specification. The product type testing results for our Amethyst, Diamond, Ruby and Sapphire Ranges of Wood Flooring and other engineered wood flooring ranges are set out below.

These tests have been carried out by the Timber Research and Development Institute Praha Notified Body No 1393 to EEC standards and for the slip test to BS7967 and were carried out by SATRA a UCAS accredited testing institute.

### Loading for Buildings

Our flooring meets all the requirements of BS 6399 part 1 for load bearing and we can confirm that our engineered and solid wood floors comply with BS 6399-1:1996 Table 1 section 3 and specifically Museum Floors and Art Galleries for exhibitions. It also complies with Clause 5.1.2 uniformly distributed loads and clause 5.1.3 Concentrated loads.

Our Carbonised Oak is a "Thermo Floor Board" which has been heat treated to an extremely high temperature which removes all the moisture from the board so that the oak floor is totally stable. Our Carbonised Oak flooring is one of the best on the market, it is also engineered.

Engineered Oak Flooring is now one of the most popular wooden flooring options available due to its structure and sustainability. We get three times more wooden flooring from an engineered board than we do from a solid board. There is also no need to acclimatise before installation unless it is going over underfloor heating.



### **Advantages of our Product range**

Over a period of years we have developed and extended our range of wooden flooring, many at the bequest of our Architect and Interior Designer clients. We place the most emphasis on quality and functionality and with no middlemen so you receive a top quality product at a reasonable price. We do not use any VOC in our manufacturing process or finished products. Only the best quality natural lacquers and oils are used and all our pre-finished floors have industrial strength lacquers and oils for domestic and commercial use.

This document gives the full details of all our hardwood flooring ranges and products including finishes and fitting options. It also lists the accessories that can be used with the product code. When specifying just use the product code and indicate the fitting option you wish to use. We are proud to offer you one of the largest ranges of solid and engineered wooden flooring in the UK market today. The Products are listed in product code numerical order.

When specifying our wood flooring you should state that **any substituted wood flooring should conform to the same stringent requirements and specification** to ensure that inferior products are not supplied which could compromise the integrity of the installation. We do not use any Pentachlorophenol containing materials whereas some manufacturers do.

### **Essential Characteristics with EN or BS standard testing method**

|                            |  |
|----------------------------|--|
| Moisture Content:          | EN 13183-1 Result = 7 %                          |
| Width permitted deviation: | EN 13647 Result -0.01mm                          |
| Reaction to Fire:          | EN 13501-1 Result Dn-s1                          |
| Release of Formaldehyde:   | EN 717-1 Result 0.014 mg/m <sup>3</sup>          |
| Breaking Strength:         | EN1533 Result 22.7 kN                            |
| Slipperiness:              | CEN/TS 15676 Result USRV 58                      |
| Thermal Conductivity:      | EN ISO 10456 and EN ISO 12664 Result 0.15 W/(mk) |

Load Bearing: to complies with BS 6399-1:1996 Table 1 section 3 for **load bearing**

**Slip test** using the pendulum testers method BS7967 part 2 classification the slip resistance group guidelines Slip Potential (PTV) value are as follows:

High slip potential 0 – 24    Moderate slip potential 25 – 35    Low slip potential 36+

The results below of our type tested products show that our floors have the best slip resistance especially our Bona Anti-Slip Lacquered boards

Type of Board:

|   |  |
|---|--|
| Antique natural oak with BONA commercial lacquer + anti-slip top coat' to BS 7976-2:2002 Overall average slip measurement (PTV's) | Dry overall slip measurement 66<br>Wet overall slip measurement 42 |
| Natural Oiled Wood Flooring Oak -   | Dry overall slip measurement 66<br>Wet (water) slip measurement 29 |
| Lacquered Wood Flooring   | Dry overall slip measurement 61<br>Wet (water) slip measurement 29 |
| Brushed & UV Oiled Wood Flooring-   | Dry overall slip measurement 64<br>Wet (water) slip measurement 29 |