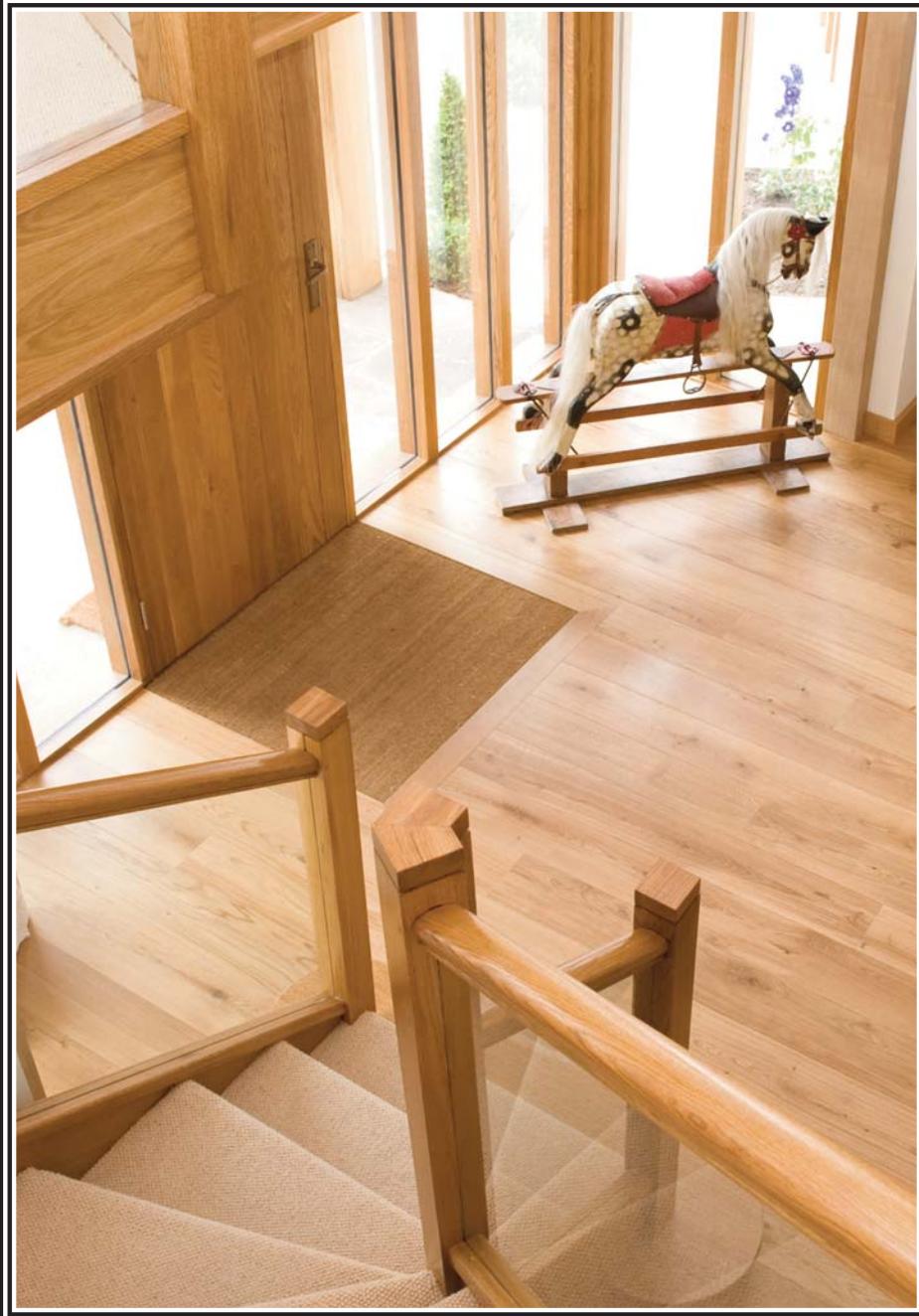




# Cathedral Flooring



The natural alternative  
with a true touch of class



The mark of  
responsible forestry



# Cathedral Flooring

**An innovative approach for these modern times offering all the attributes of a traditional Oak floor but with the added bonus of superb stability.**



www.sunburyembroidery.co.uk Architects: Robert Shaw in association with David Brown & Partners, Sunbury

extensive testing which has been carried out in conjunction with two of the UK's largest Underfloor Heating Companies.

## Architects

Cathedral Flooring lends itself to the full spectrum of design and installation. Horror stories are common for the failure of hardwood in relation to moisture. These failures cause inconvenience and expense for those accountable. The likelihood of a problem arising is greatly increased when Underfloor Heating is brought into the equation.

This is not the case with Cathedral Flooring. Once used Cathedral Flooring is the automatic choice for the next project and is being repeatedly approved and specified by Architects and Designers throughout the UK.

## Flooring that works, lasts and is incredibly stable.

Unlike other floors on the market, Cathedral Flooring has properties within its design which makes it exceptionally stable. It is forgiving and its design keeps movement, expansion and contraction to an absolute minimum, making it the safest choice for new developments where problems may occur due to higher than normal moisture and humidity levels. Designed specifically for use with Underfloor Heating it is able to withstand a wide fluctuation in moisture content which makes acclimatisation unnecessary.

## Under floor heating and natural hardwood flooring?

When Cathedral is fitted to our guidelines, the problems of heat and moisture one normally associates with hardwood floors become minimal to non-existent.

In excess of a million m<sup>2</sup> of this product has been laid over the last 9 years with outstanding results and we have not had a single failure with Cathedral Flooring when it has been fitted to our specification over Underfloor Heating.

Cathedral Flooring has been subjected to



New extension to existing house. Architects: ghd partnership, Hampshire



Extensive refurbishment of a listed building

## Floating floor?

Unlike a solid Oak floor and where Underfloor Heating is not present, Cathedral Flooring can be fitted as a 'floating floor' eliminating the need for mechanical fixing to the sub-floor. Solid Oak floors laid over screed will increase floor height as they require a timber substrate.

## Quality and Specification

From selecting the logs, kilning and machining the wood, to the final sanding and packing, every stage of production is carried out at our factory using state of the art machinery, giving us total quality control and enabling us to achieve the highest standards.

- Supplied in standardised 2400mm long shrink-wrapped packs. The pack contains three full 2400mm long boards and one split board which avoids a modular manufactured appearance when the floor is laid.
- Planks are filled and pre-sanded at our factory and once laid the client's preferred finish can be applied.



Office refurbishment. Architects: Lyons+Sleeman+Hoare, Hartley Wintney

## Environmentally conscious product

We are an environmentally conscious company and it is our primary goal to minimise our impact on our environment and to make our business practice and products as sustainable as possible.

As part of the Rainforest Alliance SmartWood Program Cathedral Flooring has been awarded FSC® certified status for our 14mm and 21mm boards as FSC mix which means that 70% of the product is FSC pure with the remainder being from controlled sources.

## Life Cycle Analysis

- Timber floors have a very low Cost for Life when compared to other flooring materials.
- All of our timber is sourced from well-managed, sustainable, legally-logged forests.
- All waste at the production stage is collected and used to heat the factory during the Winter months.
- An Oak floor will last 400 years as history has shown and in some cases will outlive the building itself.
- These floors are an intrinsic part of the fabric of the building and therefore an investment into the buildings future.

## Developments for 2011

- Launch our 12mm board which has a 6mm wear layer. This has been specifically designed to compliment the Toron Heating system developed by Timoleon.co.uk which we see as a leading edge product to increase ease of installation and maximise energy efficiency by lowering the operating temperatures of the Underfloor Heating System.

## Technical Information

Because Cathedral Flooring has predominantly been used in conjunction with Underfloor Heating installations, we have

gained an enormous amount of experience in this area.

Dealing on a daily basis with architects, designers and heating engineers, our technical advisers are continually expanding their expertise and knowledge which they in turn pass on with sound practical advice. For this reason it may be beneficial to liaise with us in the early stages of design and planning as we may be able to help.

# Beauty only nature can give

## Flooring Specifications

### Suitable for use with underfloor heating

Our standard floor is a structural board with an overall board thickness of 21 mm which is made up of 6mm oak wear layer bonded to 15mm WBP plywood base.

Other board thickness available 12mm special order, 14mm, 16mm.

T&G on all four sides with a micro bevel on the two long edges only. Factory filled and sanded.

|                             |  |
|-----------------------------|--|
| <b>Grades</b>               | Natural grade. Colour variation with minimal knots.<br>Character grade. Colour variation with knots.   |
| <b>Board widths</b>         | 140, 160, 180, 200 in character and natural grade.<br>240, 350 character grade made to order.  |
| <b>Packaged</b>             | Standard 21mm pack contains four layers with three full boards 2.4m long and one 2.4m length cut unless otherwise specified.<br>12mm, 14mm, 16mm packs contain five layers with three full boards 2.4m long and two 2.4m lengths cut.  |
| <b>Blocks</b>               | 70 x 230 mm, 16 mm including 6mm oak wear layer. To be bonded down only.   |
| <b>Fitting Method</b>       | 21 mm boards can be nailed, screwed, bonded down or floated.<br>14 mm boards can be nailed, bonded down or floated.<br>12mm and 16mm mm boards can be bonded down only.<br><br>All thicknesses of boards must be bonded down when underfloor heating is involved. Consult detailed instruction.  |
| <b>European Oak</b>         | Legally felled from sustainable sources.   |
| <b>Plywood</b>              | From traceable sustainable sources.  |
| <b>FSC Certified</b>        | Our 21mm and 14mm boards are certified as an FSC mixed product which means that at least 70% of the product is FSC pure and the remainder comes from proven controlled sources with chain of custody.<br><br>Our 12 and 16mm floor is produced with materials from the same source but the ratio FSC pure to controlled wood is lower than 70%, which means it is not FSC certified. |
| <b>Thermal Calculations</b> | Full details of Thermal resistance, Conductivity and togg values of all our floors and associated subfloors are available on our web site.   |
| <b>Stairs &amp; Steps</b>   | We supply treads and risers for using on new stair cases or for overlay of existing. Widths 1.0 m and 1.4 m  |
| <b>Fittings</b>             | We supply a range of profiles for use as window boards, thresholds and long steps etc.   |

For in-depth technical specifications and full fitting guide please go to our website on [www.cathedralflooring.com](http://www.cathedralflooring.com)



## Cathedral Flooring

UK Distributor:-

**Winchester Hardwood Flooring Limited**

The Foundry, London Road, Kings Worthy, Winchester, Hampshire SO23 7QA

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