



The Solid Wood Flooring Company
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Engineered Wood Flooring Hot Pressed

Engineered wood flooring is more sustainable than solid wood floors because we save all the hardwood from the top of the tongue downwards by using faster growing hardwood that does not have the look or texture of species like Oak, Walnut and Maple.

Top layer veneers are glued to a plywood base using two methods. One is a "Cold Press" where the boards are hydraulically pressed together and the adhesive is allowed to cure over a period of time. The curing time relies on ambient temperatures and humidity levels and is very slow. This method has been used historically because of the adhesive that were available at the time.

With the hot press method, the glued veneers are first compressed together after coming off the glue line making them ready to be loaded into the hot press which can be seen in the background.



Modern Adhesives with hardeners from Dynea can be used with “Hot Presses” which is the more modern method and guarantees perfect curing of the adhesive. This means that the top layer has not only been pressed together with a few thousand pounds of pressure but also heated to set temperatures with automatic timing. The adhesives we use are the latest with **No Formaldehyde**.

Hot pressed engineered boards are the best ones to be used with underfloor heating because it is scientifically applied and cured. The image below shows a hot press machine after loading and at full compression.



The heat is evenly dispersed through the solid metal plates you can see between each layer. Curing is controlled by the machine and pressure is only released once the adhesive has been fully cured and melted into the cell structure of the wood to create a permanent bond.

For more information or advice on engineered wood flooring please call 01666 504015