



solidwood[®]

Build Smart. Build Natural.

Technical Facts



Organic Air-Con

Simple

Solid wood creates an ideal comfort zone, by taking the edge off both high and low humidity levels.

Science

Breathes

The single, most amazing attribute of solid wood is that it isn't inert like concrete, steel and other synthetic building materials.

A solid wood building is 'alive' and is technically more complex than synthetic materials. It will actively try to maintain your comfort level by working with the surrounding environment absorbing and repelling vapour to achieve a natural balance.

Solid wood's natural insulation qualities, combined with high heat capacity, provide a stable comfortable wall surface temperature.

Thermal Regulation

The ability to absorb moisture vapour is an important functional attribute of solid wood. As the hydrogen bonds that bind the water molecules are reversible, water can be released in a process known as desorption. Heat is generated as water vapour is absorbed into the wood and lost again as the solid wood dries, effectively warming and cooling the space when needed the most.

The thermal and moisture buffering capacity of solid wood is integral to its ability to maintain a stable internal environment.