



solidwood®

Build Smart. Build Natural.

Technical Facts



Nature's Carbon Fibre

Simple

Solid wood is strong yet flexible and durable, allowing it to weather extreme storms and ride out strong earthquakes.

Science

Strength

Solid wood has a very high strength to weight ratio, providing protection in harsh environmental conditions and situations i.e. earthquakes, hurricanes, cyclones, tornadoes, and typhoons.

To confirm the strength of wood, you can look at a free standing tree, and watch how it performs in high winds. This lone pine tree, 35 metres high, with slender trunk, and large area of branches can stand up to wind gusts of 100 kph, and earthquakes. If you tried to design a structure in steel or concrete to stand up the same forces, it would take a huge amount of material and energy.

Fire

Solid wood also protects you in a fire. It burns at a slow rate, and doesn't melt and suddenly collapse as steel can when heated. It can also be sanded and re-used after fire.

Maintenance

Solid wood is low maintenance, as it does not dent or mark easily, resists staining, soiling, and odour build up.

In Europe, solid wood walls last for well over 300 years with very little maintenance. Which means you have at least 300 years to put your feet up, and enjoy the maintenance free relaxation of solid wood.