



*Alexander Ball
Year 2
TS: Materials*

*Site:
Chester Mews*

Timber Plank

Timber is one of the oldest structural materials. It both acts for strong for tension and compression however can be weak for bending due to it fibrous structure. Good in fire as it chars, which provides the wood in the centre of the element with some protection and allows the structure to retain some strength for a reasonable length of time.

For the case of the house the floor units have been made up of the timber due to its structure is heavily based on empirical evidence of the past. The insulation is also a positive for timber to be used not just to hold the structure of the floors but also insulation as well as a carbon storer.

Timber comes manufactured from the usage of trees and cutt into either through and through saw(timber into peices length wise) or Quarter sawn (into little bits.) The two types of timber hard or soft becomes coloured/ constructed for specific jobs. Where as this timber being hard wood has not had external effects due to esthetics not being neccisery.