

Carbon Neutral House
Ideas Selection Sheets



Aspect: Insulation

<u>Ideas</u>	<u>Advantages</u>	<u>Disadvantages</u>	<u>Decision</u>
Triple glazing	Less heat loss	More expensive to buy	Over the lifetime of the building this will make economic sense so will use it
Hay bales used to create internal room spaces (would need to be sprayed with concrete to provide fireproofing)	Cheap and locally available material. Flexible Good insulation properties?	Non-load bearing so would still need external walls. Could take up more space	Use this because advantages outweigh disadvantages
Waste rubber	Uses recycled material Good insulation properties	May not be the best insulator?	Get more figures before final decision
'Warm Cell' recycled insulation as loft / ceiling insulation	Uses recycled material Good insulation properties	May not be the best insulator?	Get more figures before final decision
Concrete sub-floor (see space heating-glass conservatory)	Good heat retention properties Cheap and easy to construct Readily available material		Will need to use this as no viable alternative