



CROSS LAMINATED TIMBER

MATERIAL CONSIDERATIONS

WOD PRC EUR SMP 27

UNIQUE CODE

Disclaimer: The information contained in this datasheet was supplied by the company that supplied this product.

Architecture + Design Scotland
 Material Considerations, Level 2, The Lighthouse, Glasgow, G1 3NU
www.ads.org.uk/sust

Related Products:

Other companies that manufacture and supply this product are:
 Forestry Commission Scotland is currently investigating the potential to supply home grown CLT in Scotland. More information on this will be available soon.

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Sales Team

KLH UK
 This product was kindly donated to the library by:

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| Name of Product: | Cross Laminated Timber (CLT) |
| Description of product: | CLT is produced from dried, quick growing spruce & fir (larch or pine are alternatives) boards, stacked at right angles and glued together under pressure bonding system over their entire surface in generally 3, 5, 7 or more board or panel layers. |
| Geographic availability (locally/Scotland/UK/ Europe/Worldwide): | Europe |
| Origin / Location of manufacturing / Processing plant: | Austria |
| Cost per unit (£): | Price on Application |
| Application and typical uses of the product: | CLT panels can be used for all elements of a building's superstructure. The panels are used as large external and internal wall, floor, ceiling and roof elements. They are factory manufactured with precision cut-outs for doors, windows and building services. Delivered to site in prefabricated form, they are slotted into place in situ. CLT is a truly sustainable modern method of construction. |
| Breakdown of product (% of each component part): | Industrially dried Spruce & Fir. Glue for bonding. |
| Embodied energy (Processing plant emissions). How much energy is used to produce the product? kWh per annum or kgCO₂: | Data not available |
| Thermal conductivity (k) W/m°C or Thermal transmittance (U-value) - W/m²°C (If applicable): | k = 0.14 - 0.16 W/m°C approx. |
| Reliability/ Maintenance: Frequency (times per annum) and Associated costs (£ per annum): | None |
| Lifespan of materials if maintained correctly (years): | Data not available |
| Availability - abundance and supply of raw materials: | Abundant |
| Availability - supply vs demand. Turnaround in production of material (quick/medium/slow): | Slow - Material is made to order and shipped from Austria. |
| Does the material need to be processed further or treated by the user: | No |
| Installation - how complex is installation, is a specialist contractor required? (issues/risks): | No |
| Types, textures, specifications and colours currently available: | Various thicknesses available depending on requirement |