

strong by form

With sustainability at the heart of our value proposition, Woodflow has been engineered for an outstanding environmental performance

BUSTAINABLE G ALS

8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMIION AND COO
13 climate	15 LIVE COND LAND

High material efficiency

- Up to 60% reduction in timber consumption.
- Up to 90% of the forestry resource for structural purposes.
- Suitable for using a wide range of local wood species
- Capable of using trees not currently eligible for structural purposes

Wood is a carbon sink

• Versus steel and concrete which have a high CO2 footprint.

Woodflow is 90% wood

• Compared to other high-performance biocomposites that use 40 to 60% of adhesive in their formulation.

Recyclable

• Downcyclable and working towards compostability.

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Our Woodflow lightweight slab sustainable design approach maximizes forest efficiency, saving 75% of the trees required to achieve the same structural strength using Cross Laminated Timber.



* Estimations based on data form SbF Woodflow lightweight slab, Schmulsky, R, Jones, D. (2011) and Dalstone Lane building

Woodflow equivalent to match CLT's structural performance



Hence having a fraction of the environmental impact of current technologies.

	Weight (kg)	Material consumption (m3)
Woodflow lightweight slab	35	0.076
CLT Slab	86	0.176
Concrete Slab	448	0.181

*Estimations based on a 2.36 x .86 m slab with a 2.5 kN/m2 service load



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