

System Data Sheet



Details

PROJECT	STOCK Panels
LOCATION	Any UK site
DISTANCE (to site)	150 km
SYSTEM	Acoustic Timber Panels
Type / Ref.	Internal Ceilings
QUOTE #	n/a
Species / Slats	Chestnut (solid wood slats)
Size(s)	44x19mm @ 60mm ccs
Spacing	16mm gap
Grid Type	CS-1 or CD-1 grid types
CALCULATION	Panels + Grid (full) + fixings (full)

System Performance

DESIGN LIFE (approx)	60 Years
WARRANTY	30 Years
FIRE (EN13501-1) *	Class B-s2,d0
ACOUSTIC (ISO 11654) *	Class C
OPEN AREA %	27%

* Approximated / Subject to Testing unless otherwise stated

Structural

MASS (/ sqm)	16.565 kg/m2
FORCE (/ sqm)	0.162 kN/m2
LOADING (/ point)	0.146 kN/pcs

Materials

Wood (organic)	54.0%
Aluminium	8.5%
Stainless Steel	13.7%
Mineral Fibre	18.6%
Fibreglass	1.0%
OTHER	4.2%

Recycled Content

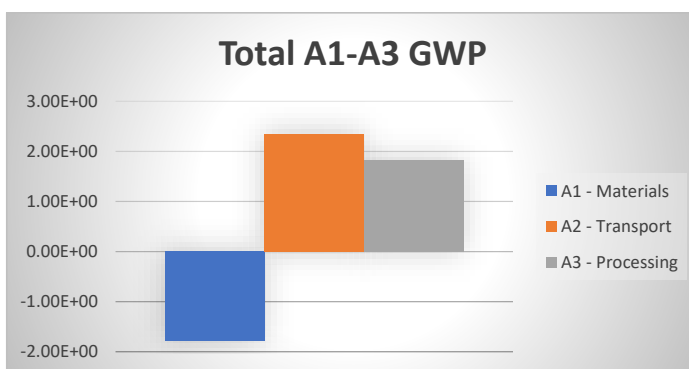
PRE-CONSUMER	14.76%
POST-CONSUMER	9.89%

Carbon Calculation

A1 - Materials	-1.78E+00	kgCO2/m2
A2 - Transport	2.35E+00	kgCO2/m2
A3 - Processing	1.81E+00	kgCO2/m2
A4 - Delivery	3.74E-01	kgCO2/m2
A5 - Installation	9.89E-01	kgCO2/m2
(B1-B7) - In Use	0.00E+00	kgCO2/m2
(C1-C4) - End of Life	1.90E+01	kgCO2/m2
D - Recycling / Recovery	-4.51E+01	kgCO2/m2

Cradle-to-Gate

(A1-A3) TOTAL	2.38E+00	kgCO2/m2
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Cradle-to-Practical Completion

(A1-A5) TOTAL	3.75E+00	kgCO2/m2
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Cradle-to-Grave

(A-C) TOTAL	2.27E+01	kgCO2/m2
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Cradle-to-Cradle

(A-D) TOTAL	-2.24E+01	kgCO2/m2
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