

# System Data Sheet



## Details

|                    |                                        |
|--------------------|----------------------------------------|
| PROJECT            | STOCK Panels                           |
| LOCATION           | Any UK site                            |
| DISTANCE (to site) | 150 km                                 |
| SYSTEM             | Acoustic Timber Panels                 |
| Type / Ref.        | Internal Walls (Horizontal / Vertical) |
| QUOTE #            | n/a                                    |
| Species / Slats    | Ash (solid wood slats)                 |
| Size(s)            | 44x19mm @ 60mm ccs                     |
| Spacing            | 16mm gap                               |
| Grid Type          | SW battens @ 600mm ccs                 |
| CALCULATION        | Panels + Grid (full) + fixings (full)  |

## System Performance

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

\* Approximated / Subject to Testing unless otherwise stated

## Structural

|                    |              |
|--------------------|--------------|
| MASS ( / sqm)      | 14.974 kg/m2 |
| FORCE ( / sqm)     | 0.147 kN/m2  |
| LOADING ( / point) | 0.053 kN/pcs |

## Materials

|                 |       |
|-----------------|-------|
| Wood (organic)  | 69.1% |
| Aluminium       | 3.5%  |
| Stainless Steel | 1.3%  |
| Mineral Fibre   | 20.6% |
| Fibreglass      | 1.1%  |
| OTHER           | 4.4%  |

## Recycled Content

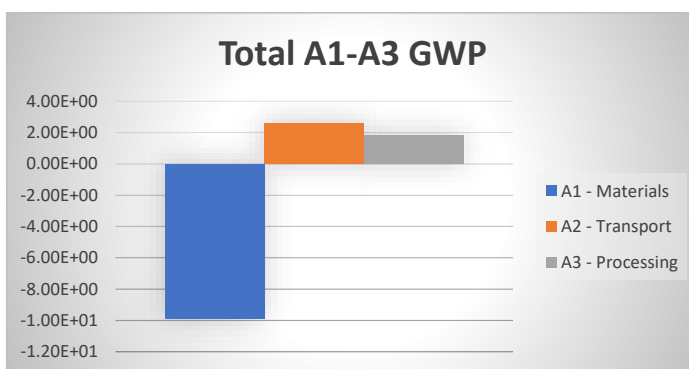
|               |        |
|---------------|--------|
| PRE-CONSUMER  | 13.00% |
| POST-CONSUMER | 1.91%  |

## Carbon Calculation

|                          |           |          |
|--------------------------|-----------|----------|
| A1 - Materials           | -9.86E+00 | kgCO2/m2 |
| A2 - Transport           | 2.58E+00  | kgCO2/m2 |
| A3 - Processing          | 1.81E+00  | kgCO2/m2 |
| A4 - Delivery            | 3.43E-01  | kgCO2/m2 |
| A5 - Installation        | 9.89E-01  | kgCO2/m2 |
| (B1-B7) - In Use         | 0.00E+00  | kgCO2/m2 |
| (C1-C4) - End of Life    | 2.17E+01  | kgCO2/m2 |
| D - Recycling / Recovery | -2.87E+01 | kgCO2/m2 |

## Cradle-to-Gate

|               |           |          |
|---------------|-----------|----------|
| (A1-A3) TOTAL | -5.47E+00 | kgCO2/m2 |
|---------------|-----------|----------|



## Cradle-to-Practical Completion

|               |           |          |
|---------------|-----------|----------|
| (A1-A5) TOTAL | -4.14E+00 | kgCO2/m2 |
|---------------|-----------|----------|

## Cradle-to-Grave

|             |          |          |
|-------------|----------|----------|
| (A-C) TOTAL | 1.76E+01 | kgCO2/m2 |
|-------------|----------|----------|

## Cradle-to-Cradle

|             |           |          |
|-------------|-----------|----------|
| (A-D) TOTAL | -1.11E+01 | kgCO2/m2 |
|-------------|-----------|----------|

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