

kg Fibre cement sheet

Fibre cement sheet is a non-structural material manufactured from Portland cement, cellulose fibres and water. Sheets come in standard sizes, generally 1 800 to 3 000 mm in length, 900 or 1 200 mm wide and in thicknesses ranging from 4.5 mm to 24 mm. They can be easily cut to size on site. Thicker boards provide superior impact resistance while thinner boards are typically used in situations where impact resistance is not as crucial.

Thermal and acoustic performance is generally poor and additional insulation is usually needed when used as external cladding. However, it is termite and rot resistant and has very high fire resistance properties.

Fibre cement sheet is often used as a replacement for plasterboard, particularly in situations that are exposed to water (such as wet areas). It can be used for both residential and commercial buildings in a range of applications, including internal and external cladding, soffit linings and structural bracing.

Category Concrete and plaster products

Type Fibre cement

Functional unit kg

Specific heat 832 J/(kg·K)

Density 1 445 kg/m³

Common uses

Internal wall lining, external wall cladding, soffit lining, structural bracing

Process name

Fibre cement roof slate, at plant/ CH U/AusSD U

Input-output sector

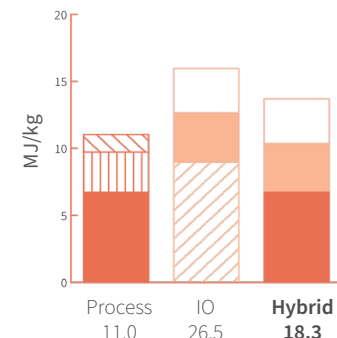
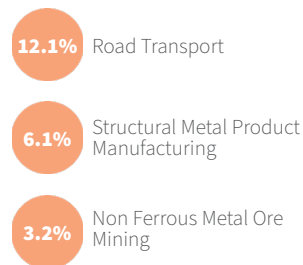
Other Non-Metallic Mineral Product Manufacturing

Further information

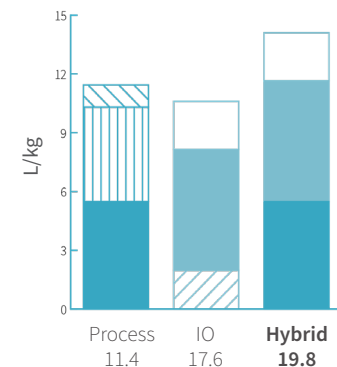
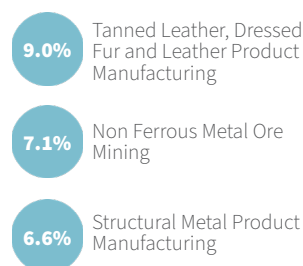
doi.org/10.26188/5da554545f280

Material variations	Unit	Energy (MJ/unit)	Water (L/unit)	GHG emissions (kgCO ₂ e/unit)
Fibre cement sheet	kg	18.3	19.8	1.6
Fibre cement sheet - 4.5 mm	m ²	119	129	10.1
Fibre cement sheet - 6 mm	m ²	159	172	13.5
Fibre cement sheet - 7.5 mm	m ²	198	214	16.9
Fibre cement sheet - 18 mm	m ²	475	514	40.6
Fibre cement sheet - 24 mm	m ²	634	686	54.2

TOP THREE INPUTS



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