

# Environmental Product Declaration summary sheet

## 12,5mm Siniat Fire Board

Etex Building Performance Limited.

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### Product description

12.5mm Siniat Fire Board is a gypsum board for use as a general drylining board for partitions, linings and ceilings in areas where improved fire resistance is required. It is available with square or tapered edges in a variety of sizes and is suitable for tape & jointing. Siniat Fire Board is coloured pink on the front and grey on the back. It is made from aerated Calcium sulphate di-hydrate enclosed inside liners made from recycled wastepaper. Siniat Fire Board is available in 1200mm and 900mm of width. It complies with BS EN 520:2004+A1:2009 type D and F.

### Declared/Functional Unit

Results below are related to the production and installation of 1m<sup>2</sup> of board installed vertically by mean of mechanical fixings, offering a seamless finished substrate ready to receive additional finishing solutions. The mass of the declared unit is 10,2 kg.

EPD Program operator	EPD Hub
EPD registration no.	HUB-0808
Validity period	31/10/2023 - 31/10/2028
Followed standards for LCA/EPD	EN 15804+A2 & ISO 14025 / ISO 21930

LCI Database/ Calculation date	OCLCA 2023 + Ecoinvent 3.8
Geographical scope	UK
EPD owner	Etex Building Performance Limited
Reference year of production date	2022

## Key Assessment Results

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and luluc GWP
Cradle to gate [A1–A3]	1,86 kgCO <sub>2</sub> –Eq./m <sup>2</sup>
Upfront carbon* - [A1-A3, A4, A5]	2,54 kgCO <sub>2</sub> –Eq./m <sup>2</sup>
Embodied Carbon* - [A1-A3, A4, A5, B1-B5, C1-C4]	3,37 kgCO <sub>2</sub> –Eq./m <sup>2</sup>
CIRCULARITY	Use of secondary material (SM) refers to any material recovered from previous use or from external waste which substitutes primary materials.
Cradle to gate [A1–A3]	39,2 % [4 kg/m <sup>2</sup> ]

\*: upfront and embodied carbon are defined in "Whole life carbon assessment for the built environment", 2nd edition, published by the Royal Institution of Chartered Surveyors (RICS). A0 has not considered.

Note : we have considered in the EOL scenario that 29% share of gypsum boards from post-consumer demolition wastes are going to recycling at end of life (e.g. a similar share of post-consumer recycled gypsum is used in module A1). The remaining 71% share is going to landfill.

Upfront carbon															
Product (cradle to gate)			Construction		Building maintenance and use - B							Building End of Life - C			
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Raw Material	RM Transport to Factory	Manufacture products	Transport to site	Construction of the building	Use	Maintenance	Repair	Replacement	Refurbishment	Energy use for Building usage	Water Use for Building usage	Demolishing the building	Haul away waste materials	Recycling	Disposal
Embodied carbon											Embodied carbon				

For the full EPD, visit: <https://manage.epdhub.com/?epd=HUB-0808>

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For archived versions please contact technical services.