

# Environmental Product Declaration summary sheet

## 12,5mm Siniat Fire MR Board

Etex Building Performance Limited.

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### Product description

12,5mm Siniat Fire MR Board is a gypsum board for use as a general drylining board for partitions, linings and ceilings in areas where improved fire resistance, as well as moisture resistance is required. It is available with square or tapered edges in a variety of sizes and is suitable for tape & jointing. Siniat Fire MR 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 MR Board is available in 1200mm of width. It complies with BS EN 520:2004+A1:2009 type D, F and H2.

### 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 10,3 kg.

|                                |                                     |
|--------------------------------|-------------------------------------|
| EPD Program operator           | EPD Hub                             |
| EPD registration no.           | HUB-0809                            |
| 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

|  |   |
|--|---|
| <b>CARBON FOOTPRINT</b>                          | <b>Total Global Warming Potential (GWP)</b><br>including fossil, biogenic and luluc GWP   |
| Cradle to gate [A1–A3]                           | 2,17 kgCO <sub>2</sub> –Eq./m <sup>2</sup>  |
| Upfront carbon* - [A1-A3, A4, A5]                | 2,87 kgCO <sub>2</sub> –Eq./m <sup>2</sup>  |
| Embodied Carbon* - [A1-A3, A4, A5, B1-B5, C1-C4] | 3,69 kgCO <sub>2</sub> –Eq./m <sup>2</sup>  |
| <b>CIRCULARITY</b>                               | <b>Use of secondary material (SM)</b><br>refers to any material recovered from previous use or from external waste which substitutes primary materials. |
| Cradle to gate [A1–A3]                           | 41,7 % [4,29 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-0809>

Please check that this is the current version by visiting the Siniat website. For archived versions please contact technical services.