

ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

CEDRAL Board



Product description

CEDRAL Boards are steam-hardened reinforced fibre cement boards. They are mainly made of sand, cement, lime, cellulose and wollastonite.

Declared/Functional Unit

This EPD presents the environmental impacts for the production of 1 m² of CEDRAL Board with a thickness of 9 mm, a reference service life of 60 years and its related impacts over the cradle to grave life-cycle modules. This EPD is representative and relevant for CEDRAL Board, produced at Kapelle-op-den-Bos production plant, Belgium covering the full colour range.

EPD Programme operator	EPD HUB
EPD registration no.	HUB-4114
Validity period	12/10/2025–12/10/2030
Followed standards for LCA/EPD	ISO 14025 & EN15804+A2:2019

LCI Database/ Calculation date	Ecoinvent 3.10.1
Geographical scope	Europe
Manufacturing location	Kapelle-op-den-Bos, Belgium
Reference year of production date	Calendar year 2023

Key Assessment Results

CARBON FOOTPRINT	TOTAL GLOBAL WARMING POTENTIAL (GWP) (including fossil, biogenic and luluc GWP)
Product – Cradle to gate [A1–A3] ⁽¹⁾	7.95 kgCO ₂ –Eq./m ²
Embodied Carbon – Cradle to gate, with options including A4 ⁽²⁾ -A5, B1 ⁽³⁾ -B5 and C1-C4 ⁽⁴⁾ modules (*B1- Use/Exposure scenario : outdoor exposed to rain)	9.72 kgCO ₂ –Eq./m ²

(1) : The manufacturing site uses natural gas and 100% green electricity as energy sources during manufacturing.

(2) : For the transportation from the production plant to the job-site, a scenario was assumed with a transportation distance of 100 km via lorry. For other transportation distances, the impacts can be calculated by multiplying module A4 impact with the transport distance to the specific location and dividing by 100.

(3) : B1- Use/Exposure scenario : outdoor exposed to rain

(4) We have considered in the table that 100% of boards and fixing materials from post-consumer demolition wastes are going to recycling at end of life. In the EPD document, both 100% recycling and 100% landfilling scenarios are declared.

Product			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: [Home | EPD Hub](#)

For additional product information, visit: [CEDRAL](#)