

ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

CEDRAL Sidings; CEDRAL LAP



Product description

CEDRAL sidings are steam-hardened reinforced fibre cement planks. They exist in two finishes: smooth or structured (wood relief). They are mainly made of sand, cement, cellulose and wollastonite.

Declared/Functional Unit

This EPD presents the environmental impacts of 1 m² of CEDRAL LAP with a thickness of 10 mm, installed without overlap⁽¹⁾, a weight of 16.4 kg per installed m², 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 all CEDRAL LAP sidings, produced at Kapelle-op-den-Bos production plant, Belgium covering the full colour range.

EPD Programme operator	EPD HUB
EPD registration no.	HUB-4116
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] ⁽²⁾	4.7 kgCO ₂ –Eq./m ²
Embodied Carbon – Cradle to gate, with options including A4 ⁽³⁾ -A5, B1 ⁽⁴⁾ -B5 and C1-C4 ⁽⁵⁾ modules (*B1- Use/Exposure scenario : outdoor exposed to rain)	6.8 kgCO ₂ –Eq./m ²

(1) : The environmental impacts of the product with another installation method can be considered as proportional to the weight of the installed product per m²

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

(3) : 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.

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

(5) 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				

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