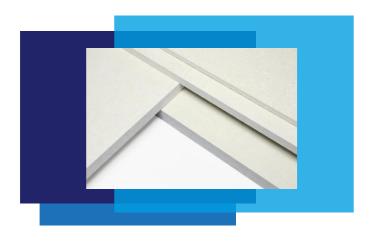


## ENVIRONMENTAL PRODUCT DECLARATION SUMMARY PROMATECT®-H RWS/HCM



## **Product description**

PROMATECT®—H RWS/HCM is a calcium silicate board for fire protection in multiple applications.

## **Declared/Functional Unit**

Results below are related to the production and installation of  $1m^2$  PROMATECT®-H RWS/HCM with a thickness of **27.5mm**.

EPD Program operator	MRPI
EPD registration no.	1.1.00454.2023
Validity period	15/12/2023-15/12/2028
Followed standards for LCA/EPD	ISO 14025 & EN15804+A2:2019

LCI Database/ Calculation date	Ecoinvent 3.6				
Geographical scope	The Netherlands				
Manufacturing location	Kapelle-op-den-Bos, Belgium				
Reference year of production data	2020				

## **Key Assessment Results**

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and Iuluc GWP					
Product - Cradle to gate [A1–A3]	16.3 kgCO <sub>2</sub> –Eq./m²					
Product + Construction - Cradle to gate, with options	19.1 kgCO <sub>2</sub> –Eq./m²					
Embodied Carbon - Cradle to gate, with options including A, B1-B5* and C** modules  *Scenario outdoor, sheltered from rain  **Scenario landfill	18.1 kgCO <sub>2</sub> –Eq./m²					
Embodied Carbon - Cradle to gate, with options including A, B1-B5* and C** modules *Scenario outdoor, sheltered from rain **Scenario recycling	18.8 kgCO <sub>2</sub> –Eq./m²					

Note: this product includes cement and slaked lime, that over the lifetime of the product will adsorb CO<sub>2</sub> from the atmosphere, which can be seen as negative GWP values in B1. The amount of absorbed CO<sub>2</sub> highly depends on the exposure conditions during the use phase, here the use scenarios "outdoor sheltered from rain" was calculated.

Product Construction				Building maintenance and use - B						Building End of Life - C					
A1	A2	А3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	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: Published EPDs | MRPI

For additional product information, visit: PROMATECT®-H RWS/HCM inspiring way of living