

ENVIRONMENTAL PRODUCT DECLARATION: SUMMARY

GYPLAC® PLASTERBOARD 15.9mm

Product description

Gyplac® plasterboards are gypsum plasterboards to be used as a general drylining in partitions, linings and ceilings. The board is made from gypsum as core enclosed liners made from 100% recycled processed cellulose paper and reinforced edges. They are available in a variety of sizes and are suitable for tape & joining treatment. The boards are intended for indoors, commercial, or residential applications in load-bearing and non-load bearing wood or steel frame systems.

Declared/Functional Unit

Results below are related to 1m² of an average Gyplac® plasterboard with a thickness of **15.9mm**. The EPD results are representative and relevant for all the Gyplac® plasterboard with thickness 15.9mm including ST-Standard board, RH-Moisture Resistant, RF-Fire Resistant, EX ST (Extradura Standard) and EX RH (Extradura Moisture Resistant). All these plasterboards are produced in one of the Etex sites located in Cartagena, Colombia.



EPD Program operator	EPD HUB
EPD registration no.	HUB-1346
Validity period	26/04/2024–26/04/2029
Followed standards for LCA/EPD	ISO 14025/ISO 21930 & EN15804+A2:2019

LCI Database/ Calculation date	Ecoinvent 3.8/OCLCA 2024
Geographical scope	South America
Manufacturing location	Cartagena, Colombia
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]	2.57 kgCO ₂ -Eq./m ²
Embodied Carbon – Cradle to grave, including A1–A5, B1–B5 and C1–C4* modules (* Scenario landfilling)	5.14 kgCO ₂ -Eq./m ²

Note: Cartagena site uses natural gas and 100% green electricity (hydropower) as the energy sources during the manufacturing.

Note: In the EPD, results of both 100% landfilling and 100% recycling scenarios at the end of life were 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				