

ENVIRONMENTAL PRODUCT DECLARATION: SUMMARY

PLASTERBOARD GYPLAC® ST (STANDARD) 12.7mm



Product description

Gyplac® Standard 12.7mm is a gypsum plasterboard 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. It is available with longitudinal tapered edges and transversal easy removal tape. In a variety of sizes, the board is suitable for tape & joining treatment. It is colored ivory on the front and comply with NTC 6159.

Declared/Functional Unit

Results below are related to 1m² plasterboard Gyplac® ST (Standard) with a thickness of **12.7mm** as the reference product. According to the results of variability study, the EPD results are representative for all the following products produced in the same plant (Cartagena, Colombia): ST 9.5mm, ST 11mm, RH-Moisture Resistant 9.5mm, RH- Moisture Resistant 12.7mm, RF-Fire Resistant 12.7mm.

EPD Program operator	EPD HUB
EPD registration no.	HUB-1347
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]	1.33 kgCO ₂ -Eq./m ²
Embodied Carbon – Cradle to grave, including A1–A5, B1–B5 and C1–C4* modules (* Scenario landfilling)	3.11 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				