Promat

ENVIRONMENTAL PRODUCT DECLARATION: SUMMARY

PROMATECT®-100X 12mm

Etex Building Performance S.p.A.

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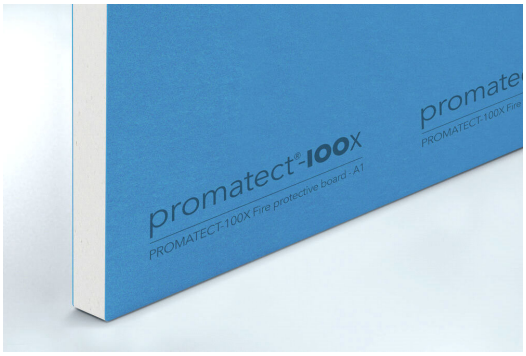

Product description

PROMATECT®-100X is a non-combustible (A1) fire protective board, based on the PromaX® technology, specifically designed for fire compartmentation in buildings, such as partitions and ceilings, when high fire protection performance is required. It is made of aerated calcium sulphate di-hydrate, reinforcing glass fibres, functional additives and water. The core is reinforced by coloured blue glass-mat facers on the front and back. The product exhibits square or tapered edges on its longitudinal sides, square edges on its transversal sides and it is available in a variety of lengths. PROMATECT®-100X is CE marked according to ETA based on EAD-350142-00-1106 (Fire Protective Products, Fire Protective Board) with at least 25 years durability for use condition categories Z2 (internal use) and Y (internal and semi-exposed use). The board is certified Indoor Air Comfort Gold by Eurofins as per certificate IACG-456-01-05.

Declared/Functional Unit

Results below are related to the production and installation of 1m² of board installed vertically by mean of mechanical fixings, offering a seamless finished substrate ready to receive additional finishing solutions. The mass of the declared unit is 11,10 kg.

EPD Program Operator	EPD HUB	LCI database	Ecoinvent 3.8
EPD Registration n°	HUB-1430	Geographical Scope	Italy
Validity Period	22/05/2024 to 22/05/2029	EPD Owner	Etex Building Performance S.p.A.
Follow standards.	EN 15804+A2 & ISO 14025 / ISO 21930	Reference year	from january 1st 2022 to decembre 31st 2022.

KEY ASSESSMENTS RESULTS

CARBON FOOTPRINT	TOTAL GLOBAL WARMING POTENTIAL (GWP) including fossil, biogenic and luluc GWP
Product - Cradle to gate Modules [A1–A3] (1)	**2,81 kgCO2–Eq./m²**
Embodied Carbon – Cradle to Grave Modules [A1–A5, B1–B5 and C1–C4(2)]	**4,36 kgCO2–Eq./m²**

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

(2) : we have considered in the table that 100% of gypsum boards from post-consumer demolition wastes are going to landfill at end of life. In the EPD document, both 100% recycling and 100% landfilling scenarios are declared.

Product (cradle to gate)			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 additional information regarding Siniat sustainability roadmap, visit https://www.promat.com/en/sustainability