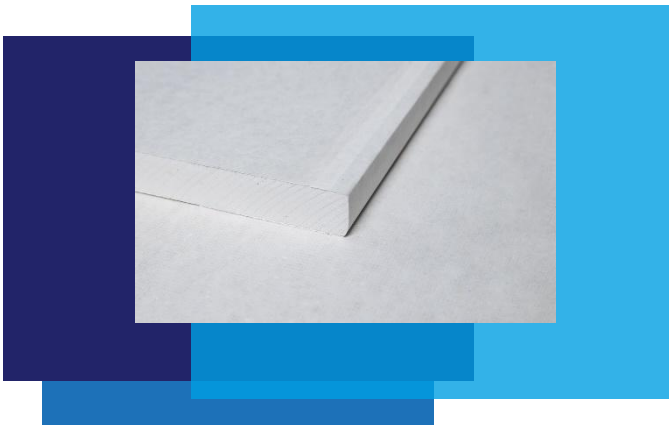
ENVIRONMENTAL PRODUCT DECLARATION SUMMARY
PROMATECT®-XS 20mm



Product description

PROMATECT®- XS is a non-combustible (A1) fire protective board, based on the PromaX® technology, specifically designed for the fire protection of structural steelwork, combining high performances with ease of installation. It is made of aerated calcium sulphate di-hydrate, reinforcing glass fibres, functional additives and water. The core is reinforced by glass-mat facers on the front and back of the boards.

Declared/Functional Unit

Results below are related to the production and Installation of 1m^2 of the board with thickness 20mm installed on s structural steelwork. The mass of the declared unit is 18.94kg.

EPD Program operator	EPD HUB	**LCI Database/ Calculation date**	Ecoinvent 3.8
EPD registration no°	HUB-2495	**Geographical scope**	Europe
Validity period	28/12/2024-28/12/2029	**Manufacturing location**	Germany
Followed standards	EN 15804+A2 ISO 14025 / ISO 21930	**Reference year**	2023

KEY ASSESSMEMT RESULTS

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and luluc GWP
Product - Cradle to gate [A1–A3][(1)]	4.52 kgCO_2–Eq./m²
Embodied Carbon - Cradle to Grave, Modules [A1-A3,A4[(2)],A5, B1-B5 and C1-C4[(3)]]	6.58 kgCO_2–Eq./m²

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

(2) : 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.

(3) : We have considered in the table that 100% of gypsum boards 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: Promat PROMATECT®-XS - Promat

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