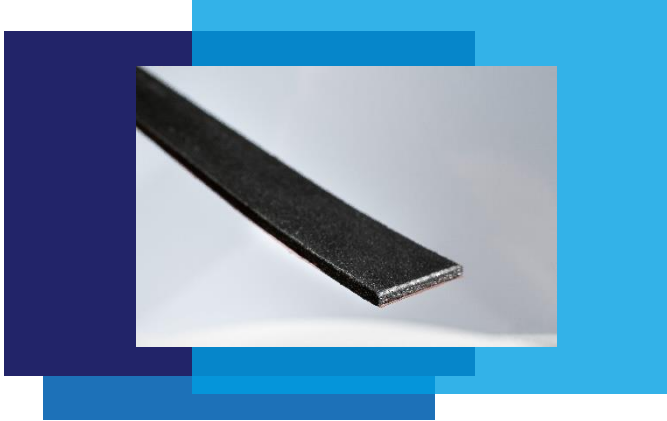


ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

PROMASEAL®-LFC/LFCSK/LFCE/LFCESK



Product description

PROMASEAL®-LFC/-LFCE/-LFCESK/-LFCSK is a graphite-based fire protection seal that intumesces above approx. 190 °C. PROMASEAL®-LFC is the basic version of fire protection seal. PROMASEAL®-LFCSK is the fire protection seal with self-adhesive. PROMASEAL®-LFCE is the fire protection seal with PE foam. PROMASEAL®-LFCESK is the fire protection seal, with PE foam and self-adhesive. The products are resistant to atmospheric effects (light, heat, frost, UV radiation, humidity) and are free from organic solvents. This range of products are mainly used to secure against spread of smoke and fire in fire doors, revision openings, glazings, closure devices in dampers, sealing systems in building joints and other applications in walls and floors.

Declared/Functional Unit

Results below are related to 1m² PROMASEAL®-LFC with a thickness of **1.8mm** as the reference product. According to the results of variability study, the EPD results are representative for all the products within the range i.e., PROMASEAL®-LFC, PROMASEAL®-LFCE, PROMASEAL®-LFCESK and PROMASEAL®-LFCSK.

EPD Program operator	EPD HUB	LCI Database/ Calculation date	Ecoinvent 3.8/ OCLCA 2024
EPD registration no.	HUB-1177	Geographical scope	Europe
Validity period	01/03/2024-01/03/2029	Manufacturing location	Filago, Italy
Followed standards for LCA/EPD	ISO 14025/ISO 21930 & EN15804+A2:2019	Reference year of production data	2022

Key Assessment Results

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and luluc GWP
Product - Cradle to gate [A1–A3]	4.13 kgCO ₂ -Eq./m ²
Embodied Carbon - Cradle to gate, with options including A1-A3, A5* and C1-C4** modules (*Only include packaging waste of final product; ** Scenario landfilling)	4.72 kgCO ₂ -Eq./m ²

Note: Filago site uses 100% green electricity as the main energy source during the manufacturing.

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				

For the full EPD, visit: [Home | EPD Hub](#)

For additional product information, visit: [PROMASEAL-LFC: Secure and reliable intumescent seal - Promat](#)