

## ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

### PROMASEAL®-IG/-IG4-A/-IG4-B



#### Product description

PROMASEAL®-IG/-IG4-A/-IG4-B is a plastic-based graphite granulate that intumesces above approx. 190 °C. The product is resistant to atmospheric effects (light, heat, frost, UV radiation, humidity and is free from organic solvents and halogens. The product is offered on the market as intumescent granulates for injection moulded parts.

#### Declared/Functional Unit

Results below are related to 1kg of PROMASEAL®-IG 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®-IG, PROMASEAL®-IG4-A, and PROMASEAL®-IG4-B.

EPD Program operator	EPD HUB	LCI Database/ Calculation date	Ecoinvent 3.8/ OCLCA 2024
EPD registration no.	HUB-1180	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]	1.89 kgCO <sub>2</sub> -Eq./m <sup>2</sup>
Embodied Carbon - Cradle to gate, with options including A1-A3, A5* and C1-C4** modules (*Only include packaging waste of final product; ** Scenario landfilling)	2.00 kgCO <sub>2</sub> -Eq./m <sup>2</sup>

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-IG/-IG4-B: Versatile intumescent granulate - Promat](#)