

PRODUCT CARBON FOOTPRINT



GWP

This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

CARBON FOOTPRINT

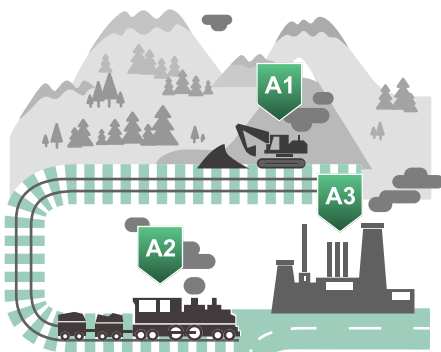
Declared unit	1m ³
Mass of declared unit (kg)	2396
GWP-fossil, A1-A3 (kg CO ₂ e)	4,40E+02
GWP-total, A1-A3 (kg CO ₂ e)	4,40E+02

STANDARDS

These are ISO 14021 self-declared results, calculated according to ISO 14040 and ISO 14044 standards. The results follow ISO 21930/EN 15804+A2.

SCOPE OF ASSESSMENT

The results have a cradle-to-gate scope, comprising raw materials extraction and supply (A1), transport (A2) and manufacturing (A3).



MANUFACTURER AND PRODUCT

Manufacturer	Decomo SA
Address	Boulevard Industriel, 96, B-7700, Mouscron, Belgium
Website	www.decomo.be

Product name	Architectural Precast Concrete Element
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Product reference



esteco
by decomo

Place of production	Decomo SA, Mouscron, Belgium
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Period for data	2022 (calendar year)
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PRODUCT DESCRIPTION

The declared product is 1m³ of reinforced precast concrete. The typical thickness of a precast concrete element ranges between 125mm and 150mm. The different concrete mixes are produced using exactly the same processes with different raw materials to suit the project requirements including cement, selected natural aggregates, admixtures and pigments. All mix designs are developed to similar criteria, which ensure the environmental impacts remain consistent across the production process.

SYSTEM BOUNDARY

Product stage			Construction		Use stage							End of life stage				Beyond the system boundary		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	D	D
X	X	X						Modules not declared										
Raw materials	Transport to site	Manufacturing	Transport	Construction	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy	Operational water	Deconstruction	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling