

PRODUCT CARBON FOOTPRINT



GWP

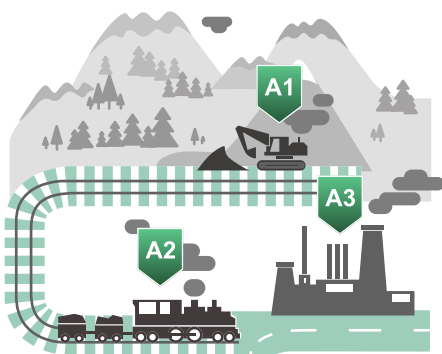
This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

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).



CARBON FOOTPRINT

Declared unit	1 linear metre
Mass of declared unit (kg)	250
GWP-fossil, A1-A3 (kg CO₂e)	126,44
GWP-total, A1-A3 (kg CO₂e)	127,16

MANUFACTURER AND PRODUCT

Manufacturer	SmartRaft Ltd
Address	72 Reach Road, Burwell, Cambridge, Cambri
Website	https://smartraft.co.uk/
Product name	Smart Raft
Product reference	
Place of production	UK
Period for data	2023

PRODUCT DESCRIPTION

Smarteraft® is an off-site pre-fabricated, modular concrete foundation to allow for the safe, quick and efficient installation of VRS barrier systems. There is no requirement for pre-site ground testing as offsite testing has proven results. Foundation depth required is just 200mm so problematic services, underground structures etc can all be overcome with this one simple solution.

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