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## **Product Embodied Carbon Definition Statement**

BEAMA's supported definition of product embodied carbon within the LCA boundary. Confidence in environmental product data is crucial for effective policy development, procurement decisions and supply chain management aimed at supporting decarbonisation. However, we face a significant challenge in effectively utilising product embodied carbon information due to the lack of a single accepted definition of embodied carbon for products which industry can adhere to.

As a result, views on which stages within life cycle assessment (LCA) fall under the banner of embodied carbon can differ greatly across the industry.

BEAMA is a trade association representing a cross-section of manufacturers of energy-related products and services for the built environment, covering buildings and infrastructure. Following a comprehensive review of existing standards and policies, and to address the lack of a widely accepted methodology that considers embodied emissions in isolation, we have collectively agreed to adopt the following embodied carbon definition for products:

**We accept the boundaries of product embodied carbon for life cycle assessment to be A1-A3\*.**

This is in line with BS EN 15978:2011 Sustainability of construction works – Assessments of environmental performance of buildings – Calculation method and can be expanded to other life cycle assessments conducted in line with ISO 14040 and ISO14044.

Manufacturers of electro-mechanical products are able to provide consistent and comparable data up to the factory gate in line with this definition. This definition is not to imply that other stages within an LCA are not important but to show that beyond this point, while manufacturers take steps to reduce use phase impacts through product optimisation, the user or asset owner ultimately controls this phase.

We aim to adopt this definition but remain flexible should further market information come to light, or a legal definition be put in place.

If you wish to discuss this position or our Product Environmental Data campaign, please [contact us](#). Alternatively, you can read more about the **Product Carbon Initiative** [here](#) or **Product Environmental Data Campaign** [here](#).

\*Sometimes referred to as upfront carbon.