

CARBON TERMINOLOGY EXPLAINED

CARBON EMISSIONS

Carbon is a **by-product emitted** from the production and consumption of fossil fuels, food, manufactured goods, materials, roads or transportation



CARBON FOOTPRINT

The **measure** of carbon emissions that you, your organisation or product release into the atmosphere in it's lifetime or set period of time

This is generally measured in carbon tons



CARBON CONSCIOUS

You care about your activities and the affect they are having on our planet, so are **actively taking steps** to reduce your carbon footprints but haven't quite got there



OPERATIONAL CARBON

A term used for a **buildings' carbon footprint** whilst in operation, such as heating, cooling, lighting etc.



EMBODIED CARBON

The carbon footprint of a **material** throughout the supply chain.

For example, a calculation is made to know much carbon has been released from the start of the process of making the steel to it landing on our factory floor

'Cradle to Gate'



CARBON NEUTRAL OR NET ZERO CARBON

These terms mean that the individual, organisation or product produces carbon but then **offsets** it in another way such as planting trees or buying carbon credits etc.

Think of it as 'Breaking even'



ZERO CARBON

The product or service produces **no carbon** from the get go

A house powered purely by renewable energy doesn't produce any carbon therefore it's **zero carbon** or **carbon zero**



NEGATIVE CARBON

You are **doing more** than just breaking even.

A house could rely on renewable energy and be zero carbon, but then produce more clean energy than it needs

