



Palisades Grid

Environmental Summary



How We Care

It's a primary concern of ours that we preserve and nurture the environment and our planet. As a global company, our impact on the environment is significant. Which is why we do everything in our power to create a sustainable, green business. Good environmental management is crucial to the continued success of Spacestor and is a concept that we encourage throughout our entire supply chain, as well as within the company itself. Through innovative research and development, we engineer sustainable solutions through clean and harmless processes. We seek to consistently support and strengthen the global community, help create a unique, unforgettable workspace experience and to inspire wellbeing.

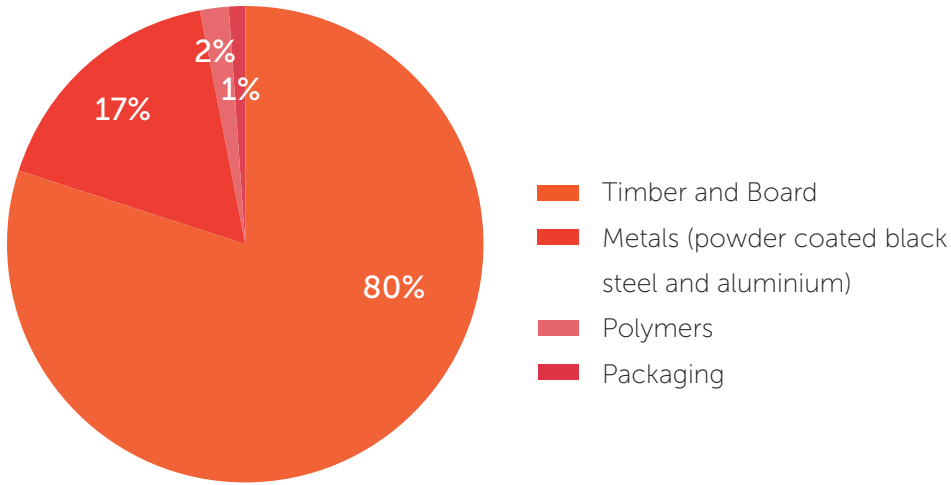
Like our supply chain partners, we take our environmental responsibilities seriously; progressively studying and addressing factors such as waste management, the provenance of our timber and reducing the overall carbon footprint of our business. Minimising our environmental impact is a key consideration at every step of the way.

Palisades Grid

A customizable and modular zone divider that gives flexibility to today's more transitory workforce. Workspaces need an adaptive design so they can be repurposed quickly and cheaply. These modular and moveable zone dividers allow for the simple and attractive division of space into neighbourhoods housing communities for different project teams and working styles. As a design-conscious, flexible substitute for physical partitions, they can be highly customized to the unique design of your workspace with a large selection of sizes, finishes and accessories, including plants, acoustic panels, lighting and storage to create a highly attractive visual and acoustic barrier. This system delivers needed levels of privacy between different working zones whilst maintaining a visual connection with the whole space. With roots in mid-century minimalist modernism, Palisades Grid has a light and more open aesthetic, giving the most flexible choice in construction with a wider range of accessories.



Environmental Information



% Material Type by Mass (Kg)

Recycling Information*

Palisades Grid framework and its connectors are both 100% recyclable through re-smelting.

The base is constructed of MFC which is an environmentally sustainable product containing over 40% recycled wood and can be recycled at the end of its life as Grade C wood or used as biomass waste in accordance with the biomass regulation.

All packaging materials we use are fully recyclable. Our foam and polystyrene packing pieces are not currently recycled at kerbside but they can be recycled as LDPE.

*Please check with your local authorities for exact information on how to recycle these materials.

Materials		% Material Type by Mass (kg)*
Grid Framework & Connectors	Powder coated black steel	17%
	Other trace elements Aluminium	
Base	Melamine Faced Chipboard (MFC - 85% wood mass, 6% water, 9% UF glue, <1% paraffin wax emulsion)	80%
	Polymers	2%
	Packaging	1%

*the above information is representative of the entire Palisades Grid range to a minimum of 99% disclosed to 100ppm

The addition of plywood accessories, including shelves and alcoves, will contribute to material content, however this is dependent on the designer's choice.

97%
recyclability by mass (kg)

52%
recycled content by mass (kg)

Recyclability (%)

Steel	100%
Aluminium	100%
MFC**	100%
Packaging*	100%

*item can be recycled at kerbside.

**if unable to be reused this material can be incinerated to generate energy through biomass disposal.

Environmental Information

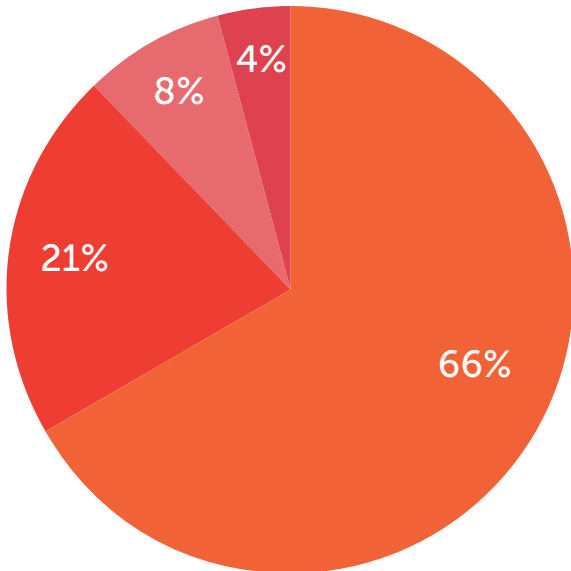


2116 MJ

Embodied Energy

Total primary energy consumed from direct and indirect processes (A1-A3) expressed in Megajoules (MJ)

Embodied Energy (MJ)



- Timber and Board
- Metals (powder coated black steel and aluminium)
- Polymers
- Packaging

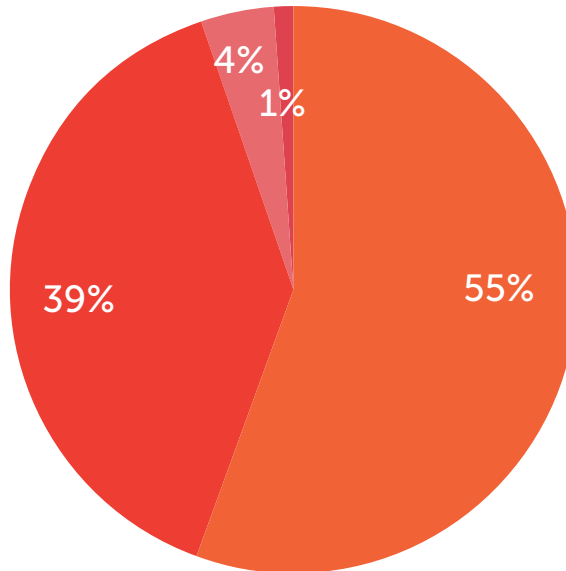


102 KgCO₂e

Embodied Carbon²

Total greenhouse gas emissions emitted (A1-A3) expressed in carbon dioxide equivalent (KgCO₂e)

Embodied Carbon (KgCO₂e)



Declare.

Palisades Grid Spacestor

Final Assembly: Hemel Hempstead, UK; Los Angeles, California, USA; Philadelphia, Pennsylvania, USA

Life Expectancy: 20 Year(s)

End of Life Options: Biodegradable/Compostable (1.3%), Recyclable (96.6%)

Ingredients:

Wood; Iron; Nickel (Metallic); Oxirane, (chloromethyl)-, homopolymer; Water; Chromium, metallic; Urea, polymer with formaldehyde¹; Manganese; Paraffin; Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy-; Formaldehyde (gas)¹; Polypropylene; Molybdenum; Acrylonitrile-Butadiene-Styrene Copolymer; Amorphous silica; Steel manufacture, chemicals; Calcium Carbonate; Aluminum; Cobalt metal powder; Copper; Silicon; Titanium; Titanium dioxide

¹LBC Temp Exception RL-009 - Formaldehyde

Living Building Challenge Criteria:

I-13 Red List:

- LBC Red List Free % Disclosed: 100% at 100ppm
- LBC Red List Approved VOC Content: Not Applicable
- Declared

I-10 Interior Performance: Not Compliant

I-14 Responsible Sourcing: Product Available with FSC Chain of Custody

SPC-0001
EXP. 01 NOV 2022
Original Issue Date: 2021

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Additional Information

Dedicated manufacturing facilities in the UK and USA provide you with ultimate flexibility in product customization and lead time. Spacestor is ISO9001, ISO14001, FISP, FSC and CHAS accredited - demonstrating our commitment to quality, safety and sustainability.



All materials are locally sourced as much as possible from suppliers who meet high environmental standards.

The majority of our board components meet the emissions limit values of the European formaldehyde class E1 under ECHA (European Chemicals Agency), which means board materials contain a maximum of 0.007% formaldehyde. Our board suppliers have the VOCs in their products tested regularly according to exceed the latest standards. Melamine resin surfaces, laminates and most coatings block emissions from the coreboard. The emissions of these coatings are very low, so overall, the laminated board exhibits far lower values for VOC and formaldehyde emissions than the rawboard. We are now able to offer some products with zero added formaldehyde, and are moving to increase this steadily.

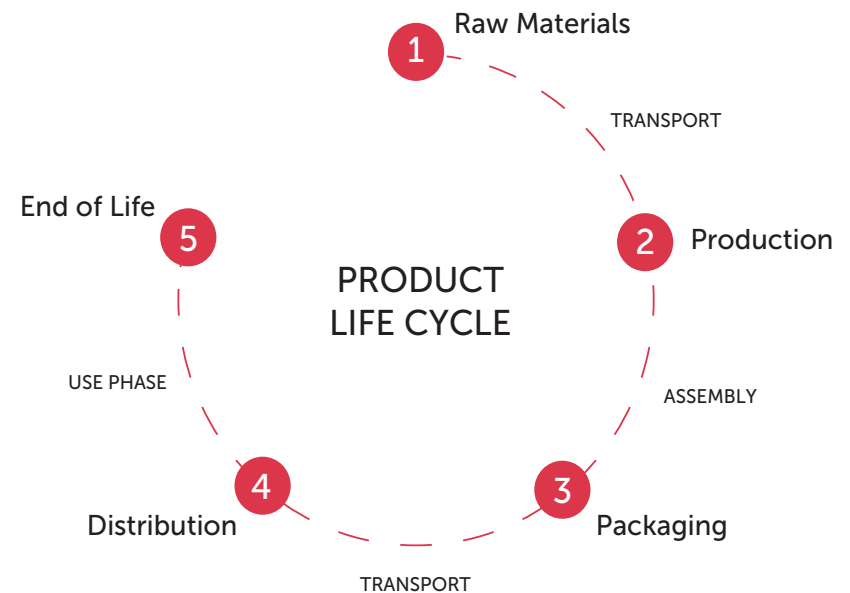
Waste management is under continual reduction and measures are taken to reduce landfill. All waste that can't be used anywhere else is recycled and managed in accordance with legal requirements. And it's not just the waste we produce on site that's recycled; when an installation is complete, all waste and packaging materials removed are returned to be fed into our segregated waste streams.

Our wood waste never goes to landfill. Instead, we burn all our biomass-type waste in our on-site 350kW Ranheat biomass boiler which in turn, provides enough energy to heat our main manufacturing plant and provide hot water for all on-site facilities, eliminating tonnes of CO2 emissions from fossil energy sources, as compared to energy generation using natural gas. Since expanding the capacity of our biomass power plant in 2016, we can proudly say we have not had to purchase gas from the UK network.

Distribution generally occurs between the manufacturing site to the client. Wherever possible, we minimize packaging weight and volume to reduce the carbon footprint of the product during distribution.

Spacestor is dedicated to product longevity. Palisades Grid is made with replaceable parts and easily changeable accessories. The product is 97% recyclable by mass (kg) and easy to disassemble at the end of life using simple tools.

Product Lifecycle



The background is a complex, abstract composition of horizontal bands and blocks in various colors including shades of blue, orange, red, yellow, pink, and grey. The colors are layered and some blocks are slightly offset, creating a sense of depth and movement. The overall effect is a vibrant, multi-colored abstract pattern.

Spacestor[®]