



Residence Max

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.

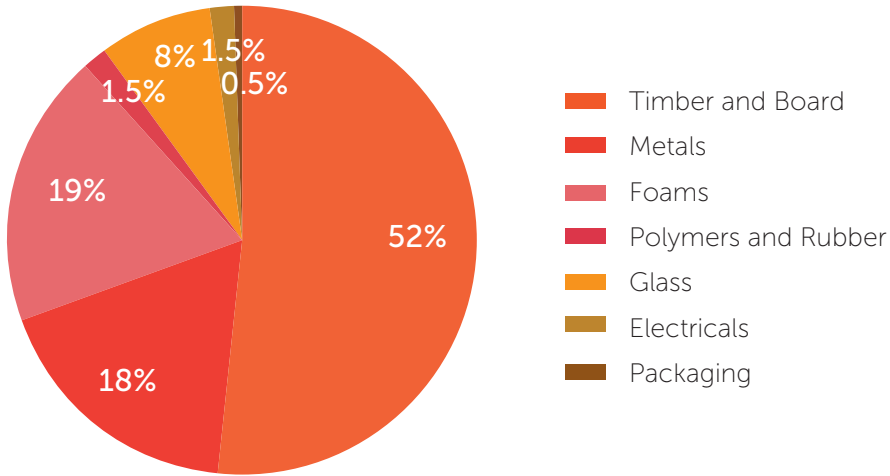
Like our supply chain partners, we take our environmental responsibilities seriously; progressively studying and addressing factors such as waste management, the provenance of our timber and reducing the overall carbon footprint of our business. Minimising our environmental impact is a key consideration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

Residence Max

Drawing on the rich design heritage of California, Residence Max creates an iconic enclosure within the workplace, providing a serene sanctuary amidst the current workplace conditions. Inspired by the beautiful 'residences', modern, innovative houses built by leading architects throughout the 20th century, these space-efficient pods provide private space using a minimum floor area. This product comes with a glazed door, allowing light to continue to shine through and a birch plywood finish, providing a raw, natural aesthetic. Available with either a height-adjustable or fixed desk in a seated or standing working position, adjustable ventilation and built-in power, Residence Max is designed to be comfortable for longer working hours. The product boasts extremely high acoustic quality and has a highly adaptable design with a huge range of finish options. Residence Max comes in two versions, Wellness and Wellness Plus, both of which are designed to be very sustainable, containing low emitting materials and designed to provide a high quality user experience.



Environmental Information



% Material Type by Mass (kg)

Recycling Information*

The plywood frame, seat and table parts are recyclable.

Timber and board can be reused, recycled as Grade C wood or used as biomass waste in accordance with the biomass regulation. The metalwork is 100% recyclable through resmelting.

Camira Blazer fabric consists of 100% virgin wool. The production of virgin wool is generally considered to have a minimal environmental impact. Since wool is derived from animal fibres, it is an inherently sustainable fabric and highly biodegradable. The upholstery foam is made from 100% polyurethane foam which can be recycled and reused by grinding or particle bonding.

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)*
Frame	Timber and Board	52%
	Lacquered birch plywood (approx 95% plywood, 5% glue & lacquer)	
	Metals	18%
Glass panels	Acoustic laminated glass with PVB interlayer	8%
Upholstery	Upholstery Fabric (<i>such as Camira Blazer - 100% virgin wool</i>)	19%
	Polyurethane foams	
Fixings & other parts	Polymers and Rubber	1.5%
	Electricals	1.5%
Packaging		0.5%

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

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

Recyclability (%)

Material	Recyclability (%)	Material	Recyclability (%)
Timber and Board**	100%	Foams**	100%
Steel	100%	Rubber	25%
Glass panels	90%	Other Polymers	20%
Metals	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.

94%
recyclability by mass (kg)

43%
recycled content by mass (kg)

Environmental Information

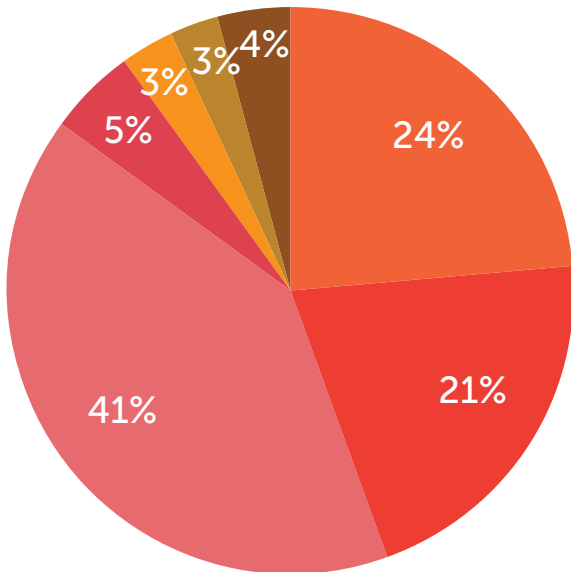


11695 MJ

Embodied Energy

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

Embodied Energy (MJ)



- Timber and Board
- Metals
- Foams
- Glass
- Electricals
- Packaging
- Polymers and Rubber

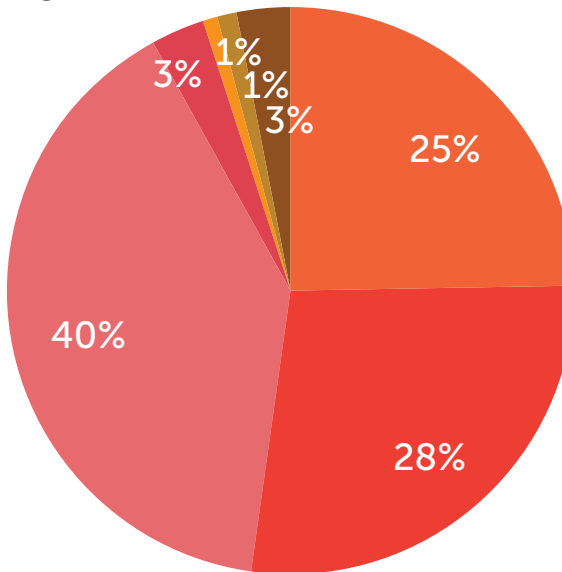


618 KgCO₂e

Embodied Carbon²

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

Embodied Carbon (KgCO₂e)



Declare.

Residence Max Spacestor

Final Assembly: Hemel Hempstead, Hertfordshire, UK; Los Angeles, California, USA; Philadelphia, Pennsylvania, USA
Life Expectancy: 20 Year(s)
End of Life Options: Biodegradable/Compostable (1.2%), Recyclable (94.3%), Landfill (4.5%)

Ingredients:

Wood; Polyurethane foams; Polyethylene Terephthalate; 1-Propene, polymer with ethene; Glass, oxide, chemicals; Phenol, polymer with formaldehyde¹; Nickel (Metallic); Iron; Chromium, metallic; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Aluminum; Manganese; Acrylonitrile-Butadiene-Styrene Copolymer; Dicumyl-peroxide; Silicon; Small Electrical Components- RoHS Compliant²; Calcium carbonate; 2-Propenenitrile, polymer with 1,3-butadiene; Polypropylene; Carbon black; Titanium dioxide; Molybdenum; Copper; Magnesium; Cobalt metal powder; Titanium

¹LBC Temp Exception RL-009 - Formaldehyde

²LBC Temp Exception RL-002 - Small Electrical Components

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-0005
 EXP. 01 FEB 2024
 Original Issue Date: 2021

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.

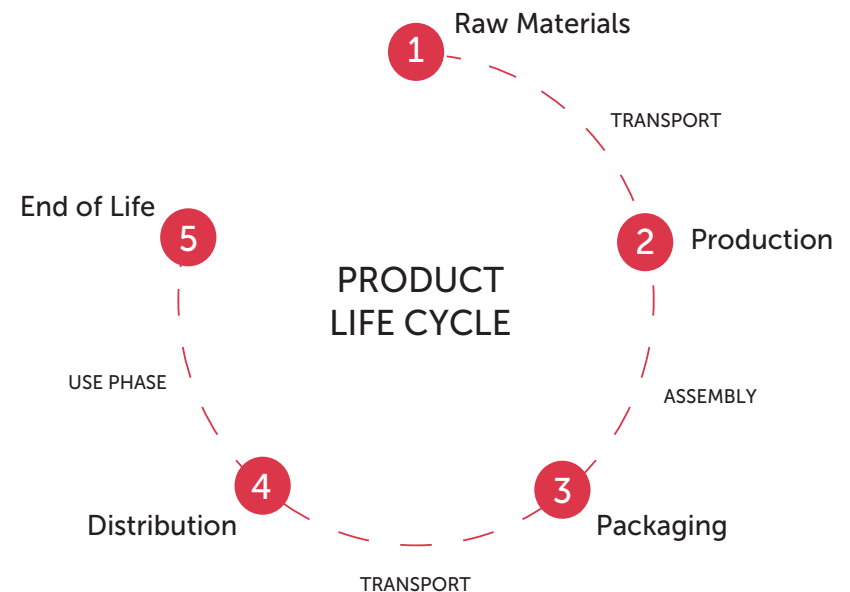
Waste management is under continual reduction and measures are taken to reduce landfill. All waste that can't be used anywhere else is recycled and managed in accordance with legal requirements. And it's not just the waste we produce on site that's recycled; when an installation is complete, all waste 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. Residence Max is made with replaceable parts and easily changeable accessories. The product is 94% 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 arranged in a way that creates a sense of depth and movement, with some bands appearing to overlap or recede. The overall effect is a vibrant, multi-colored field.

Spacestor[®]