Aeonica

Environmental Summary

Spacestor®

How We Care

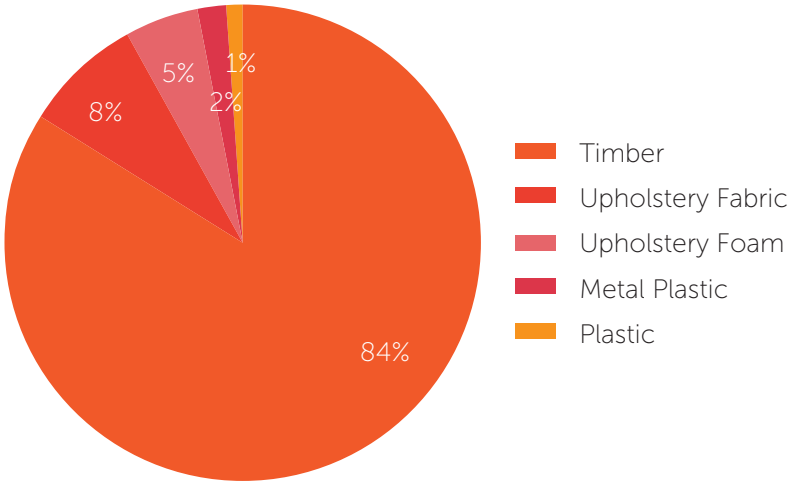
It's a primary concern of ours that we preserve and nurture the environment and our planet. As a global company, our impact on the environment is significant. Which is why we do everything in our power to create a sustainable, green business. Good environmental management is crucial to the continued 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.

Aeonica

In a world of constant change the future workspace needs space settings that are stimulating, refreshing, and highly adaptable. Fluid, flexible, and future-proof, Aeonica takes inspiration from timeless architectural forms to provide a new interior landscaping and space-making toolkit for the workspace. Deceptively simple in concept – using just 5 classic geometric building blocks, each piece is engineered for inter-compatibility, to allow the creation of a vast choice of landscapers and space-makers – from private Cloisters, to spacious Pantheons in almost unlimited combinations. Aeonica's organic shapes and soft forms have been specifically crafted to be globally familiar, yet not highly directive, allowing instant creation and landscaping of spaces with classic Colonnades, Portals, Pantheons, Forums, Rotundas and Cloisters – without building walls. Available in a palette of 6 colors, each carefully chosen from an earthy palette referencing minerals and biophilia to compliment and blend together shades from the natural world.

Environmental Information



% Content of product by weight

Materials		% Content of product by weight*
Frame	Timber	84%
Upholstery fabric	Kvadrat Divina MD (100% Wool)	8%
Upholstery foam	Foam	5%
Fixings	Steel	2%
	Plastics	1%

All pieces are proportional by weight

Recycling Information*

The framework is constructed from responsibly sourced plywood which can be recycled as Grade C wood or used as biomass waste in accordance with the biomass regulation.

Kvadrat Divina 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 re-cycled as LDPE.

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

Recyclability (%)	
Timber and Board**	90%
Upholstery fabric**	100%
Upholstery foam**	100%
Mild steel	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

98%
recyclable

Declare.

Aeonica
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Final Assembly: Hemel Hempstead, Hertfordshire, UK; Los Angeles, California, USA; Philadelphia, Pennsylvania, USA
Life Expectancy: 20 Year(s)
End of Life Options: Biodegradable/Compostable (0.9%), Recyclable (98.7%), Landfill (0.4%)

Ingredients:

Wood; Polyurethane foams; Iron; Nickel (Metallic); Phenol, polymer with formaldehyde[1]; Wool (100% Sheep's Wool); Chromium, metallic; Manganese; Acetic acid, 2-methylpropyl ester; Talc; Clay; Light aliphatic petroleum naphtha; Titanium dioxide; Molybdenum; Isopropyl alcohol; Cellulose, nitrate; Isobutyl alcohol; Methyl Ethyl Ketone; Toluene; Xylene; Rosin, maleated, polymer with glycerol

[1]LBC Temp Exception RL-009 - Formaldehyde

Living Building Challenge Criteria:

I-13 Red List:
☐ LBC Red List Free
■ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Product Available with FSC Chain of Custody

SPC-0007
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Sustainability Product Standards Compliance Overview

Spacestor has detailed information on all of our products, for each of the following sustainability standards: WELL, LEED, BREEAM, LBC (Living Building Challenge) and SKA.
A brief overview below details what these standards measure on and where they are focused:

WELL - a globally recognized standard that focuses on the product and its impact, with the aim of enhancing human health and wellbeing through building design and operations. Ten concepts are encompassed within this: Air, Water, Nourishment, Light, Movement, Thermal Comfort, Sound, Materials, Mind and Community.

LEED - Developed by the US, and used worldwide, this standard is a green building certification, which looks at the overall project, from façade through to furniture, and focuses on the product in the context of the building. Energy efficiency, water conservation and materials selection are some of the key areas majored on in this standard.

BREEAM - This is a UK-created standard and isn't found so much as other standards, outside of the UK. It has many of the same focus areas as LEED, and the two are mutually recognized. BREEAM assesses the environmental performance of new buildings, emphasizing energy efficiency and occupant wellbeing.

LBC - The Living Building Challenge is a rigorous performance standard for buildings, promoting regenerative design across seven categories called 'Petals'. These are Place, Water, Energy, Health & Happiness, Materials, Equity and Beauty.

SKA - An environmental assessment protocol tool for sustainable fit outs, SKA focuses on good practice measures in areas like energy, materials and waste for office spaces, looking at the contributions across the project. It looks at the entire life of the product or product part, taking into account how sustainably it can be disposed of at the end of life, as well as processes such as installation.

By working towards these standards, it ensures that you will achieve a recognized level of sustainability in your project, as well as creating a space that supports the physical and mental wellbeing of colleagues, with minimal damage to the environment. The organizations of today that are prioritizing employee welfare and sustainability are the ones building resilience and trust, and signalling their care and commitment to their people, and responsible practices.

While sustainability - particularly across these certification standards - can feel complex, we provide clear guidance and tailored resources to help our clients stay ahead in this evolving space.

We'd love to support your project goals. When you reach out, your dedicated rep can provide a breakdown like the one shown on the right, with each product's compliance by standard and criterion, along with supporting documentation - empowering you to make responsible choices for both people and planet.

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® Certified (FSC-C081796) 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.

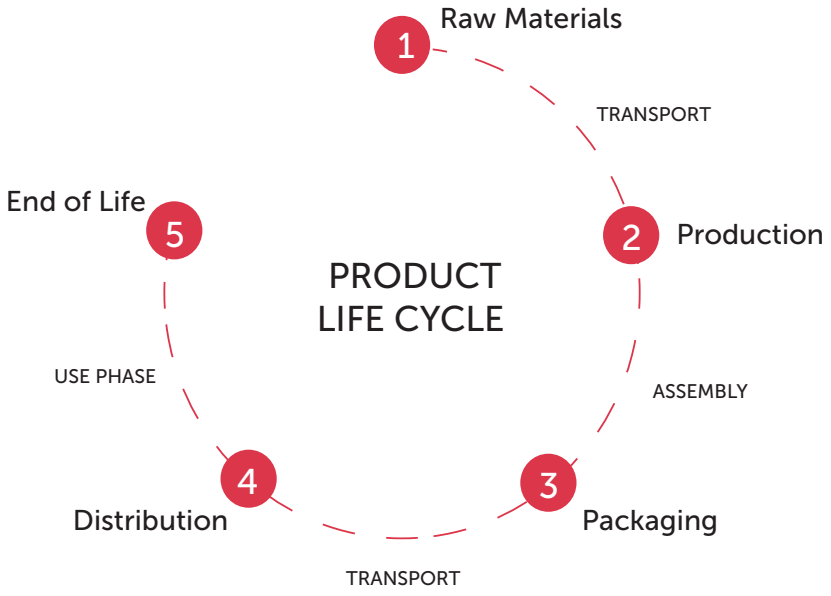
Waste management is under continual reduction and measures are taken to reduce landfill. All waste that can't be used anywhere else is recycled and managed in accordance with legal requirements. And it's not just the waste we produce on site that's recycled; when an installation is complete, all waste 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. Portals is made with replaceable parts and easily changeable accessories. The product is 98% recyclable by weight and easy to disassemble at the end of life using simple tools.

Product Lifecycle

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