

Your Sustainable life space

Unlock extra space in your home with a bespoke Bio-SIP™ garden office. Create a personalized environment where you can focus on what you love, whether it's work, fitness, or relaxation—all in a sustainable, energy-efficient space.



We create premium life spaces made from 88% post consumer waste

At Bio-SIP™, we believe your garden is more than just outdoor space—it's a canvas for creating something truly special.

Our bespoke garden rooms, crafted with sustainable Bio-SIP™ panels, transform your garden into a beautiful, functional extension of your home and life, combining style with eco-friendly practicality.

Whether you're dreaming of a cozy retreat, a home office, or an entertainment hub, we're here to bring your vision to life.



Why build a garden life room?

1

Add instant value to your home with a Bio-SIP™ life space.

You could boost your property's value by up to 5%, potentially earning five times the building cost. Transform your garden into a valuable and sustainable asset.

2

A space that can be used all year round.

With excellent insulation and soundproofing included, your garden life space remains comfortable and useful throughout the year.

3

Designed and made sustainably in the UK

Yes, our decisions today have an impact on tomorrow. Each Bio-SIP life space recycles on average 30k plastic bottles and embeds over 570kg of CO₂.

4

Escape the daily grind

Create a tranquil sanctuary just steps away from your home, offering a peaceful retreat to relax, unwind or focus without the distractions of everyday life.



Building A Greener Future with Sustainable Bio-SIP™

Bio-SIP™ is on a mission to **revolutionise** the construction industry by offering sustainable building materials that combine the power of **natural fibres** and **plastic bottles**. Our purpose is to provide eco-conscious builders and developers with innovative solutions that minimize environmental impact without compromising on quality or performance.



Introducing the Bio-SIP™

Bio-SIP™ (biological-based Structural Insulated Panels) are eco-friendly building materials that use post-consumer waste (recycled plastic bottles - PET) for the insulating core, and natural fibre skins for the structural facings.

They provide an environmentally friendly and energy-efficient alternative to traditional SIP panels and can be used in various construction applications for a minimum of 60 years.



THE UNIVERSITY OF WARWICK



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INNOVATION
& EXCELLENCE AWARDS



Member

Sustainable by design



2000

bottles per panel



Plastic Bottle Recycling

We repurpose post-consumer plastic bottles into strong and resilient construction materials, leading the way in sustainable building practices. This innovative approach helps reduce plastic waste and supports a circular economy.

300mm x 1200mm x 2400mm panel

87%

reduction in CO₂ vs traditional panels



Natural Fibre Materials

Our Natural Fibre materials are durable, lightweight, and environmentally friendly. They offer a versatile solution for construction projects, contributing to a reduction in carbon footprint by embedding Carbon into the structure.

13.4kg embedded CO₂ per panel

88%

Of Bio-SIP™ is made from waste material



Waste materials

The Bio-SIP™ modular building system is a necessary step towards re-purposing eco-damaging waste. By transforming several waste products into high performing building material, Bio-SIP™ offers practical and sustainable use that has a significant impact on our planet.

Energy

37% more efficient

Our engineering process means that our Bio-SIP™ panels achieve passive house standard with 37% better thermal performance than EPS SIP Panels reducing heating and cooling costs.

Bio-SIP™ also has market leading sound and thermal performance to keep the noise out and the warmth in.

- ✓ **Acoustics rating**
- ✓ **37% improved insulation** (U-value 0.1)

Bio-SIP™

All weather

All protection

Our Bio-SIP panels are durable and water-proof. Ready for anything that that nature throws.

BIO-SIP has also have passed fire testing and come with a 25-year structural warranty.

- ✓ **Water-proof**
- ✓ **Fire Resistant** (EN-1365-1 to 53 minutes*)
- ✓ **25-year structural warranty**

As part of Bio-SIP building solution

Installation

Fast Made Easy

With our kerbside delivery, say goodbye to heavy machinery like cranes and forklift trucks. Each panel is designed to be carried by 2 people through a door width.

Installation is simple with small buildings taking on average of two days to build.

This reduces installation time by **87%** compared to comparative materials.

- ✓ **2-day average installation**
- ✓ **Kerbside delivery**

Re-usable

Take your asset with you

We understand the investing in a building material might seem like a sunk cost.

But what happens if that building needs to move?

With Bio-SIP, simply dismantle each panel and then re-use adhesive free. Plus, the ground will be returned to its natural state.

- ✓ **Easy to dismantle and move**
- ✓ **Adhesive free**

Standing out in the crowd



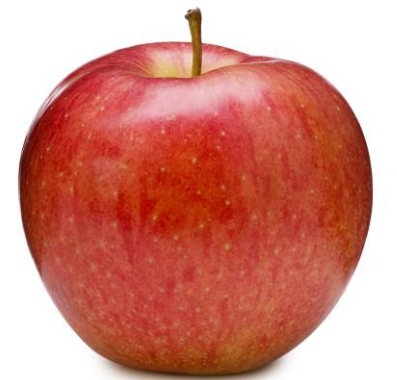
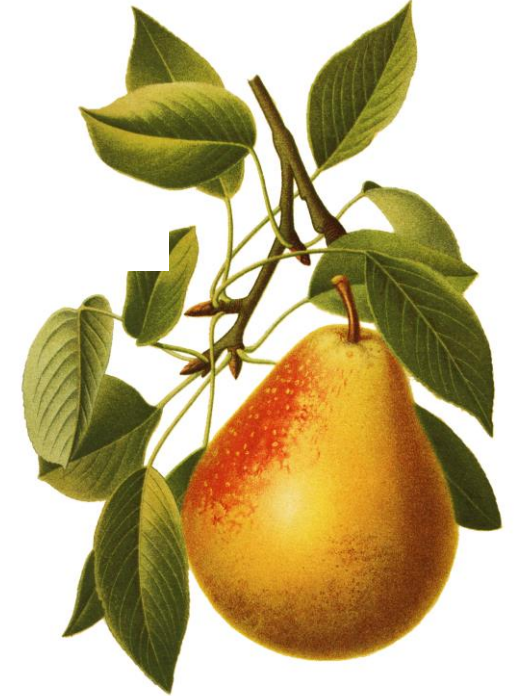
Bio-SIP life space	Embedded carbon	# recycled plastic bottles
Bio-SIP Solo	387 Kg	20,000
Bio-SIP Oasis	570 Kg	30,000
Bio-SIP Aura	1.3 tonnes	40,000

The **Bio-SIP™** was engineered by a team of experienced professionals who share a common vision: to create a greener and more sustainable environment for generations to come. With backgrounds in architecture, engineering, composites, and construction, our founders recognised the potential of bio-based Structural Insulated Panels to revolutionise the way we build.

Driven by this passion, the team set out to create a company that would provide accessible eco-friendly building materials

the difference between apples and pears

Topic	Question	Traditional SIP	Bio-SIP	
Buildability	Is the roof waterproof or would need a rubber sheet? such as an EPDM rubber	Yes	No	✓
Buildability	Are they spline joints integrated?	No	Yes	✓
Buildability	Is it weatherproof during construction?	No	Yes	✓
Buildability	How quickly does it take to install a building? (3m x3m)	5 days	1 day	✓
Buildability	Can it be disassembled and reassembled?	No	Yes	✓
Buildability	Can the panels go through a house or small opening? E.g. a door	No	Yes	✓
Buildability	How lightweight are the panels?	60kg	41kg	✓
Buildability	Is it a finished surface ready to paint?	No	Yes	✓
Buildability	Can I wallpaper directly onto the panel?	No	Yes	✓
Buildability	With a team of 3, how many buildings a month could you install?	3	10	✓
Buildability	Can it be unloaded and moved by hand?	Yes	Yes	✓
Buildability	Is it Adhesive free?	No	Yes	✓
Fire	What has the best fire classification?	Class F	Class E	✓
Foundation	Does it need a concrete base?	Yes	No	✓
Foundation	Does it have multiple base options?	No	Yes	✓
Longevity	How long will a building last for typically?	20 years	50 years	✓
Longevity	How long is the structural warranty?	0-10 years	25 years	✓
Sound	Does it have a high acoustic performance?	No	Yes	✓
Sustainability	Has it been made from recycled materials?	No	Yes	✓
Sustainability	Which building has the lowest carbon footprint?	Bio-SIP	Bio-SIP	✓
Thermal	Does it need a breather membrane?	Yes	No	✓
Thermal	Does it have a high thermal performance?	No	Yes	✓
Thermal	Is it thermal bridge free?	No	Yes	✓



The range

A modern gym and office space with a large window overlooking a lush garden. The room features a stationary bike on the left, a desk with a laptop and chair on the right, and a barbell on the floor in the foreground. The window provides a view of a well-maintained garden with various plants and trees.

Custom Design

In addition to our curated range of luxurious Bio-SIP garden buildings, we proudly offer bespoke design services to meet your unique vision. Whether you desire a specific layout, additional features, or a completely custom structure, our expert team will work closely with you to create a personalised space that seamlessly blends luxury, sustainability, and functionality.



Bio-SIP™
SOLO



Bio-SIP™ SOLO

Our Solo Studio offers an affordable and generously sized office for your garden. Comfortable and perfectly formed, the Solo Studio option is perfect for a single occupant plus a desk. This is our entry level studio, a bright and inviting space, the Solo studio is well insulated, finished with your choice of cladding in either Weatherboard or wood to complete the look.

Size: 3Mx3Mx2.4M

RRP: £17,499 (inc VAT)



Warranty

We offer guaranteed peace of mind with our 25-year guarantee on all modular buildings



Easy Assembly

Your kit will arrive ready for assembly. No Specialist tools required



Quick Assembly

Our modular buildings screw together in around 12hrs



Sustainable

Most Materials used in Qube Buildings are made from fully recycled or organic compounds



Made in the UK

All manufacturing and building is carried out in the UK for faster delivery and lower CO2



FREE Survey

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50%
discount on installations
when you provide 2024
promo code: "Bio24"





Bio-SIP™

SOLO specs

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Materials / Info	Description / Insulation	Specifications	Thickness U-Value	
External Size	3000 x 3000 (9.9ft x 9.9ft)			
Internal Size	2720 x 2720 (8.9ft x 8.9ft)			
Sustainably Built	Eco and Bio	387KG of embedded Co2.		
Roof insulation	Metal SIP	PIR (Polyisocyanurate)	80mm	0.27 W/M2k
Floor insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Wall insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Overall wall thickness			140mm	
Internal finish	Natural fiber	unfinished	2mm	N/A
Floor bearers	Wood	C24 grade treated FSC	100mm	N/A
Window	uPVC	White or upgrade to colour	40mm	1.4 W/M2k
Double glazing	Toughened glass	Argon gas filled	25mm	
Guarantee	25 years	Structural		
Life expectancy	60 years	Minor maintenance will be needed		
DIY installation of building	12 hours	2 skilled people		
DIY foundation	6 Hours	Dependent on ground conditions		
Foundation Options	Stopdigging / EasyPad / EcoBase			
Delivery	5-day courier	Flat packed on pallet		





What's included

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Materials / Info	Included	Options
Walls	Yes	
Roof	Yes	
Base & floor	Yes	
Cladding(Larch included as standard)	Yes	Red Cedar, Waney Edge, Douglas fir, aluminium, Composite.
Foundations	No	If required, price on application
Windows	Yes	2 x full height windows
Door	Yes	Normal fully glazed door included. Option for sliding / Bi-fold on request
Design drawings	Yes	
Installation	No	Price on application
Delivery	Yes	
Utility connections	No	
Electrical work (e.g. lights, heating)	No	
WiFi install	No	
Floor finish	No	
Painting internal	No	Price on application
Painting external	No	Price on application
Solar Panel	No	Price on application
Finance options	No	Price on application
Landscaping	No	
Planning permission	No	Not required



A photograph of a modern, eco-friendly living space. The room features a large stone fireplace on the left, a wooden coffee table in the center, and a white sofa with green and white pillows on the right. The space is filled with various green plants, including a large hanging plant on the left and a vertical garden on the right. Large windows in the background offer a view of a dense forest. The text "Bio-SIP™ Oasis" is overlaid in the center of the image.

Bio-SIP™ Oasis



Bio-SIP™ Oasis

The Oasis is our most popular choice for creating workspace for one to two inhabitants. Thinking of setting up your own business? Perhaps you've been dreaming of a home gym or Art studio...? The Oasis is the perfect choice for you. Our versatile and spacious studio will look fantastic in your garden setting, designed to offer maximum light and space in order to accommodate a wide range of uses.

Size:

6Mx3Mx2.4M

RRP:

£23,849 (inc VAT)



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Bio-SIP™

Oasis specs

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Materials / Info	Description / Insulation	Specifications	Thickness U-Value	
External Size	5690 x 3000 (17.7ft x 9.9ft)			
Internal Size	5410 x 2720 (16.7ft x 8.9ft)			
Sustainably Built	Eco and Bio	570KG of embedded Co2.		
Roof insulation	Metal SIP	PIR (Polyisocyanurate)	80mm	0.27 W/M2k
Floor insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Wall insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Overall wall thickness			140mm	
Internal finish	Natural fiber	unfinished	2.5mm	N/A
Floor bearers	Wood	C24 grade treated FSC	100mm	N/A
Window	uPVC	White or upgrade to colour	40mm	1.4 W/M2k
Double glazing	Toughened glass	Argon gas filled	25mm	
Guarantee	25 years	Structural		
Life expectancy	60 years	Minor maintenance will be needed		
DIY installation of building	12 hours	2 skilled people		
DIY foundation	6 Hours	Dependent on ground conditions		
Foundation Options	Stopdigging / EasyPad / EcoBase			
Delivery	5-day courier	Flat packed on pallet		



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Materials / Info	Included	Options
Walls	Yes	
Roof	Yes	
Base & floor	Yes	
Cladding(Larch included as standard)	Yes	Red Cedar, Waney Edge, Douglas fir, aluminium, Composite.
Foundations	No	If required, price on application
Windows	Yes	2 x full height windows
Door	Yes	Normal fully glazed door included. Option for sliding / Bi-fold on request
Design drawings	Yes	
Installation	No	Price on application
Delivery	Yes	
Utility connections	No	
Electrical work (e.g. lights, heating)	No	
WiFi install	No	
Floor finish	No	
Painting internal	No	Price on application
Painting external	No	Price on application
Solar Panel	No	Price on application
Finance options	No	Price on application
Landscaping	No	
Planning permission	No	Not required





Bio-SIP™ Aura



Bio-SIP™ Aura

Transform Your Garden with Eco-Friendly Elegance: The Bio-SIP™ Aura

In the idyllic setting of your garden, imagine a space that seamlessly blends comfort, sustainability, and a touch of modern design. Welcome to the era of garden living with our Bio-SIP Aura, expertly crafted from the revolutionary Bio-SIP™ Sustainable Modular Building System. This is not just an addition; it's a haven designed for modern living, where functionality meets environmental responsibility.

Size: **6Mx6Mx2.4M**

RRP: **£31,499** (inc VAT)



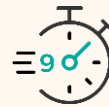
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Bio-SIP™

Aura specs

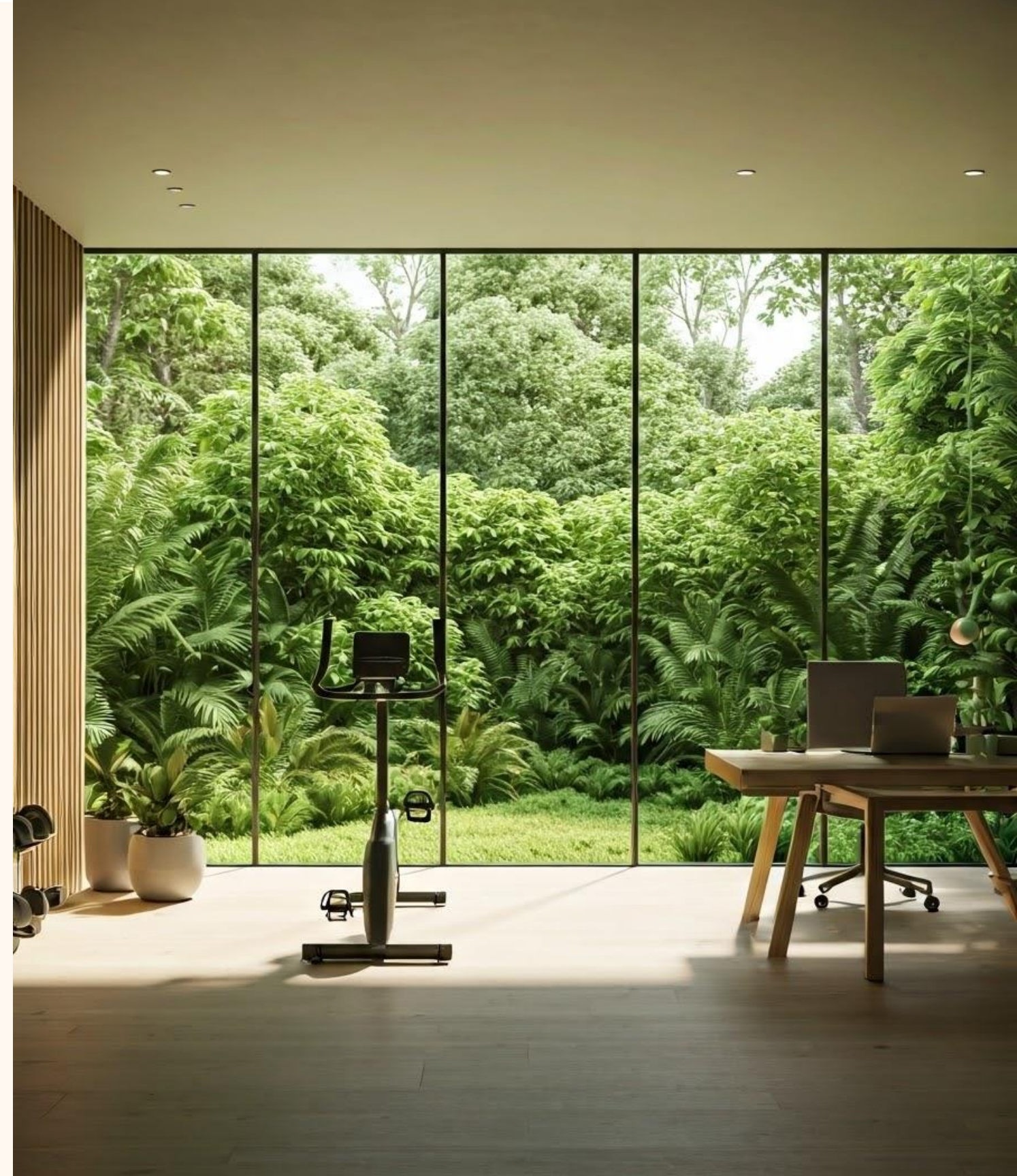
Materials / Info	Description / Insulation	Specifications	Thickness	U-Value
External Size	5690 x 5690 (17.7ft x 17.7ft)			
Internal Size	5410 x 5410 (17.7ft x 17.7ft)			
Sustainably Built	Eco and Bio	1.3 tonnes of embedded Co2.		
Roof insulation	Metal SIP	PIR (Polyisocyanurate)	80mm	0.27 W/M2k
Floor insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Wall insulation	Bio-Sip	PET (polyethylene terephthalate)	100mm	0.266 W/M2k
Overall wall thickness			140mm	
Internal finish	Natural fiber	unfinished	2mm	N/A
Floor bearers	Wood	C24 grade treated FSC	100mm	N/A
Window	uPVC	White or upgrade to colour	40mm	1.4 W/M2k
Double glazing	Toughened glass	Argon gas filled	25mm	
Guarantee	25 years	Structural		
Life expectancy	60 years	Minor maintenance will be needed		
DIY installation of building	12 hours	2 skilled people		
DIY foundation	6 Hours	Dependent on ground conditions		
Foundation Options	Stopdigging / EasyPad / EcoBase			
Delivery	5-day courier	Flat packed on pallet		





What's included

Materials / Info	Included	Options
Walls	Yes	
Roof	Yes	
Base & floor	Yes	
Cladding (Larch included as standard)	Yes	Red Cedar, Waney Edge, Douglas fir, aluminium, Composite.
Foundations	No	If required, price on application
Windows	Yes	2 x full height windows 1 x standard window
Door	Yes	Normal fully glazed door included. Option for sliding / Bi-fold on request
Design drawings	Yes	
Installation	No	Price on application
Delivery	Yes	
Utility connections	No	
Electrical work (e.g. lights, heating)	No	
WiFi install	No	
Floor finish	No	
Painting internal	No	Price on application
Painting external	No	Price on application
Solar Panel	No	Price on application
Finance options	No	Price on application
Landscaping	No	
Planning permission	No	Not required



★★★★★ Testimonials from satisfied customers ★★★★★



Julia Fidler, Eco-friendly Homebuilder

"Using Bio-SIP materials was a game changer for our projects. The sustainability factor and durability of the material exceeded our expectations."



David Storey, Sustainable Construction Project Manager

"We chose Bio-SIP for its eco-friendly credentials and were impressed by the ease of installation and superior insulation properties."

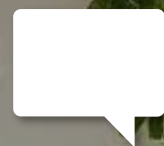


Ordering process made stress free



Design

We use cutting-edge technology to support design ideas and deliver a CAD design for approval.



Technical support

Our team are dedicated to your project to ensure they literally cover every nook and cranny.



Timescales

As soon as your order is raised, we estimated delivery worldwide within 4 weeks.



Installation

Use one of our approved Bio-SIP installers for ultra efficiency. Subject to country availability.



Service

We prioritise customer feedback and continually refine our materials to meet their needs. We are that confident we offer a 25-year structural warranty.

Ready to build your life space?



paul@bio-sip.co.uk



01483 346070



www.qubebuildings.co.uk

Book your free appointment

[click here](#)

50% discount on
installations when you
provide 2024 promo code:
"Bio24"

(subject to terms and conditions)

