Solid Timber Post & Beam Garages & Carports

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## SolidLox Post & Beam

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Build Easy with SolidLox

SolidLox incorporates the traditional Oak framed method of construction with current technology to produce a system that is easy to build with using solid timber and modular connections. All timbers are precision cut to ensure a perfect fit every time making SolidLox kits easy to build.

Delivered direct from our manufacturing factory straight to your site. SolidLox is your first choice for a beautiful traditional looking structure that’s easy to order, off load on site and install.

We can also offer an installation service for you. Our skilled carpenters will arrive once the structure has arrived and install with ease*. The structure is supplied untreated and undecorated, ready for you to use whatever finish you wish. Many people choose not to apply any treatment and allow the timber to ‘grey out’ naturally. Others may add some form of oil, wax, varnish or paint to match other existing decoration or construction materials.

Properly treated and maintained, these structural timber buildings can last for hundreds of years. There are many examples of timber framed and timber clad buildings all over the UK that have outlasted masonry and lesser structures.

We can offer a range of additional materials to further enhance your SolidLox structure, roof tiles, insulation, timber treatment, windows, doors and staircases.
Construction Close Up

Choice of external cladding

Walls frames & cross braced

Choice of roof pitch with OSB sarking

Adjustable Post Bases
Strong, Sturdy Frame

100 x 200 Beams

Choice of roof coverings

Support Braces

Timber Connectors
Standard Garage Design

1, 2 and 3 Bay traditional Garages manufactured to our standard specification from a choice of timbers. Available with a 28 degree roof pitch which keeps below the 4m metre planning rule.
Standard Garage Specification (Supply only w/o Roof Covering)

Solid Lox Traditional Garage Standard Specifications:

150mm x 150mm Square Posts
100mm x 220mm Beams
50mm x 150mm Softwood Corner Braces
Cut Rafter or Truss Roof (Dependant on design)
9mm OSB roof sarking
Tyvek or similar membrane over sarking
25mm x 38mm counter battons ready for roofing lath & tiling
Sawn Softwood Feather Edge Cladding 20mm for Walls & Gables
45mm x 100mm Sawn Wall Framing
Adjustable height raised post bases & anchor bolts
Timbers untreated - Posts, Beams, & Braces prepared, ready to receive stain or other treatment.
Standard Carport Design

Traditional 1, 2 and 3 bay Car Ports manufactured to our standard specification from a choice of timbers. Available with a 28-degree roof pitch which keeps below the 4m metre planning rule.
Standard Carport Specification  (Supply only w/o Roof Covering)

Solid Lox Traditional Carport Standard Specifications:
150mm x 150mm Square Posts
100mm x 220mm Beams
50mm x 150mm Softwood Corner Braces
Sawn Softwood Feather Edge Cladding 20mm for Gables
Cut Rafter or Truss Roof (Dependant on design)
9mm OSB roof sarking
Tyvek or similar membrane over sarking
25mm x 38mm counter battons ready for roofing lath & tiling
Adjustable height raised post bases & anchor bolts
Timbers untreated - Posts, Beams, & Braces prepared, ready to receive stain or other treatment.
Bespoke Designs

Using our traditional looking post & beam system we can build a huge variety of structures to your designs. We can add different size bays for extra storage, add log stores to the side or rear of standard designs and make L-shaped structures. We have also been sent designs for Pool Houses, Gazebos and Garden rooms.

We can also offer different roof types to suit your needs, most commonly hipped and barn end and can include dormer windows or skylights.

If you have a 45degree roof pitch this will also give you ample room to use the roof space by adding a floor. This can then be accessed by internal or external staircase. If you were going use the space for occasional storage a loft ladder would be suitable.

Optional Extras

We offer many extra products that will further enhance your structure. We can supply windows, doors, lightweight roof tiles, and different types of timber cladding, staircases, fascia, soffit and rainwater goods.
Bespoke Case Study
Timber Choices
There are four different timber types that you can choose from. Two softwood timbers, Douglas Fir and Redwood. A hardwood timber, Oak and Glulam, which is a structural timber product made up of several layers of timber bonded together with durable, moisture-resistant glue. They all have high strength properties and are widely used throughout the construction industry.

Connections
The SolidLox connective system ensures a fast secure assembly that will help you achieve the look that you want and the build quality that you want in no time at all. Flexibility, durability and ease of build, without the need for intrusive extra supports, pin components or dependence on one type of material.
Post Bases & Foundations
As with all buildings it is essential to have a sound level foundation that is set on solid ground. For garages, carports, workshops and similar buildings most people chose to lay a concrete slab, usually at least 150mm thick and with some steel reinforcing mesh within. If the building and/or the floor is carry very heavy loads you may need to have the foundation specially engineered to comply with the requirements of your local building control dept.

It is equally possible to use ordinary masonry strip foundations, laying either beam and block floors over this, or a concrete over-site in between or across the walls. Sometimes it is desirable to have the floor sloping slightly, for example toward garage entrance doors so that any water that drips off vehicles can drain away.

If the concrete slab or other floor slopes slightly, or if the foundations are out of level, this could cause a problem with the structure. All the posts will be the same length, if the base of any of these were not level then there could be difficulty in levelling these up to take the beams running between the posts. The beams also have to be level to take the roof or first floor above them.

To combat the possible problem of posts being level we use an adjustable post base. Each post base is adjustable by 60mm on site if needed. The post base is fitted with bolts into the base of each post. The post base is then bolted down to the foundation.

It is also desirable to ensure that the bottoms of all timber posts are kept out of any water that may lie around. It is important the timber dries out if it gets wet. Using the above post bases ensures that the posts are elevated and not sat in any water that may accumulate.
Planning

SolidLox can help you with the planning application process. We can provide planning drawings for planning applications and also help you with the submission to your local planning department.

Purchasing & Lead Times

You can order a SolidLox structure in two ways. Through our website or over the phone. At the time of order you will be given an approximate delivery time. Standard Garages and Carports are usually delivered 3-4 weeks after placing your order. This time may vary so please check before placing your order. You will be contacted by us to arrange a convenient date and time for the structure to be delivered.

Delivery

Deliveries may be made on articulated lorries. Please ensure you advise us at the time of ordering if there are any restrictions / obstacles that may inhibit a delivery by this method.

Deliveries are to mainland UK only, with suitable road access. Deliveries are to the address given and unloading is the customer’s responsibility.

Installation & Self Assembly

We offer an installation service. Our carpenters will arrive once your SolidLox kit has been delivered. A suitably prepared foundation must be completed before our carpenters can start to install your SolidLox Kit. Scaffolding may also be required. Please check this at time of ordering.

Although we recommend that we install your SolidLox kit for you, you may wish to do it yourself with a qualified Carpenter or Builder with Carpentry knowledge.

We can provide you with step-by-step installation instructions for you to follow.
Ordering Information

Standard Kits

To order a standard SolidLox kit you can:
• Order online at www.timber-frame-building.co.uk/online-store.html
• Call and make a credit card payment over the telephone
• Send us your order and a cheque made payable to The Benfield ATT Group Ltd.

Bespoke Kits

For bespoke kits you will need to send us a sketch of your requirements. We will then provide you with a quotation which if you accept you can order either over the telephone or sending a cheque made payable to the Benfield ATT Group Ltd.

Online Estimator

We also have an online estimator available for you to use at www.timber-frame-building.co.uk/timber-post-and-beam/post-beam-estimate.htm

This will enable you to receive an estimate quickly at your convenience. You can use it as many times as you like to create a structure within your budget.

We will then have to check your design and budget estimate. Once we have checked this you can either order over the phone by credit card or send a cheque.

All orders placed are in accordance with out terms & conditions available at www.timber-frame-building.co.uk/terms-and-conditions
Frequently Asked Questions

Do you install SolidLox structures?
Yes we do. SolidLox can install your structure throughout the UK.

How is easy is SolidLox to put together?
The SolidLox system is a modular system that has been designed for easy installation. If you are experienced in DIY then you should be able to put it together. We recommend that you have at least 3 people and allow 7 days for a 2 bay structure.

What is included with the kit?
The standard kits supply all the components needed for the structure. For the full specification look at page 8 in the brochure. You can also order extra materials to be delivered with your kit.

What type of foundation is required for a SolidLox structure?
The SolidLox system works with most foundation types. The foundation type you require will depend largely on your site and should be discussed with your ground worker.

Do I need planning permission?
This will depend vastly on which structure you choose. If your overall ridge height is below 4m, then you may not require planning permission in your area, however we recommend that everyone check with their local planning authority as rules differ from region to region and area to area. If you require help with gaining planning we can supply you with full-scale drawings for submission or we can carry out the whole planning application for you.

Can the standard designs be modified to suit my needs?
Yes. You can make amendments to our standard designs or design your own structure from scratch. We would then check that it is suitable to made with the SolidLox system and provide you with a bespoke price.

What type of roof covering can I use?
SolidLox structures can take most types of roof coverings. We offer lightweight steel tiles, recycled rubber slates and cedar shingles as optional extras to your kit.

What types of cladding options are there?
All our standard SolidLox garages are available with featheredge larch cladding. We can however provide you with a cost for cedar featheredge, Log Lap and NovaBrick (Brick Cladding System).

Are SolidLox structures suitable for a room in the roof?
Yes. Structures that have a 45-degree pitch roof have been designed to take first floor loadings but in order to do this you may need additional support posts on the ground floor. In order to complete your room in the roof build however you will need various other components. Whilst SolidLox can supply these components it will require a bespoke quotation.

Do the garage kits come with doors?
Unfortunately doors are not included in the standard kit designs.

Do you deliver to whole of the UK?
We offer free delivery on all kits to mainland England, Wales and Scottish lowlands. For delivery to the Scottish Highlands and Islands please call for a quotation.

Do you deliver outside of the UK?
Unfortunately No. We are able, however, to deliver to a UK British port of your choice for you to then arrange collection and onward forwarding to your destination.