

How a WOHOBO is constructed

WOHOBOs have been uniquely designed to make the build process on site quick and seamless, with minimal disruption for you, and to your garden. In this guide you will find an overview of the materials we use to construct a WOHOBO and the key features that make WOHOBO special.



The construction process

We allow two consecutive days to build each studio, from start to finish. When you order your WOHOBO, we will give you an installation week, and then nearer the time we will confirm which two days in that week your installation will take place.

Each studio is prefabricated in our Derbyshire factory, and it is transported as large, flat sections for easy assembly on site. WOHOBOs can be constructed on a solid base, such as a concrete slab or paving, or directly onto bare ground or turf. We have a foundations system for each of these options. Please see the [Getting ready for your WOHOBO guide](#) for more information on foundations, along with guidance on other practical considerations to think about in relation to your plot and property.

Here is an overview of the build process once our installation team arrives on site.

The studio base

A timber base is built off the ground, on to which goes composite insulation panels, a ply finish and then the vinyl flooring. The timber base is attached to the ground screws or adjustable risers (depending on the foundations system agreed in advance), so the studio is not directly touching the ground – it appears to hover slightly. There is a small gap between the base / ground and the base of the studio, to enable air to circulate underneath the studio, for the general health of the studio and to ensure damp doesn't penetrate the studio. We recommend that the air gap is not blocked off after your WOHOBO has been installed.

Steel frame and composite panel system

A galvanised steel frame provides the structure for the studio and is for ease of build.

We use custom-made 40mm composite insulation panels for the walls, ceiling and underneath the floor, which make our studios fully-insulated. The panels are faced to both sides in powder-coated steel and have a closed-cell PIR insulation core, which has a U value of 0.5. PIR is very thermally efficient type of insulation, and it is space-saving (being about half the thickness of other forms of insulation for the same level of thermal insulation).

WOHOBOs are very efficient to heat, and they keep their heat well. We suggest just using a small plug-in electric heater on cold days, which you would need just for intermittent heat. A smart controlled heater would enable you to control the heating in your studio remotely.

Roof and concealed drainage system

The roof is triple skinned – so there's the steel composite panels that hold the closed-cell PIR insulation, then a void for the electrics, then an outer steel corrugated layer with a black Plastisol coating. Plastisol is leather-grade, so incredibly durable and watertight and it is also sound-deadening.

The roof gently slopes from back to front, with the highest point measuring 2430mm at the back, and the lowest point measuring 2330mm at the front. Rainwater is channelled down the roof into two drainage pipes that are concealed in the black steel pillars either side of the sliding door. The rainwater naturally trickles into the ground and there is no issue with water collecting/pooling. The studio base is raised slightly off the ground, so that water on the ground is unable to penetrate the studio floor.

If your WOHOBO is to be installed on a new solid base, we can provide you with a plan to show the minimum size of the base required and the position and size of the drainage pipes.

Cedar cladding

Canadian western red cedar is used to clad the entire front porch and unique slatted screen detail. The slatted screen is fixed for the Studio02 and fully slidable across the length of the window for the Studio03, Studio04, Studio03 More and Studio04 More. Western red cedar is a premium, sustainable material and one of the most luxurious woods around. It has virtually no knots and has a high content of aromatic oils naturally found in it, which makes it hardy and ideal for use on outdoor buildings.

Glazing

The double-glazed window stretches across the entire front elevation of the studio, making the studios have a bright, airy and open feel. The sliding door is on the right-hand side, and this slides across to the left. There is the option to order a left-hand opening door, however this is made specially to order and therefore an additional charge applies.

The window frames are uPVC and have a contemporary square-edge profile. They are matt black on the exterior and matt white on the interior. The lock is a 5-point locking system, and this can be locked on the inside or outside with a key. The door is PAS24 accredited.

For the Studio03 More and Studio04 More, there is an additional double-glazed slit window on the back wall on the left-hand side. It opens fully outwards. Aesthetically, this is a lovely additional feature, and it is also useful for added ventilation. The frame is white internally and black externally (as per the sliding door frame at the front).

Exterior finishes

The external walls have a powder-coated steel finish in Slate Grey, which has a slight ridged profile. There is also the option to have additional western red cedar clad panels, for one or both sides of your studio, simply to offer a different aesthetic. Please enquire about the separate charge for the cedar clad side panels.

Electrical fittings

Each WOHOBO comes with three types of lighting plus a wireless switch plate to independently control each light, as well as four plug sockets, and one ethernet socket. The only additional item your electrician will need to purchase is a consumer unit for the studio, which is affixed to the back exterior wall. The suggested spec for the consumer unit is: 4-way IP65 rated consumer unit with compatible circuit breakers and RCD.

During the construction of a WOHOBO, the installation team will put the correct wires for the different electrical applications through protective conduit in all the right places in the studio. By putting the wires in protective conduit, this provides a simple guide for your electrician to follow, and the wires can be inspected, and removed / replaced easily if necessary. Your electrician does not need to dismantle the studio to do their job, and therefore there is no risk of damage to the studio after installation.

For more information about the electrical set up, including the standard locations of the electrical fittings, and an overview of the jobs you will need an electrician for, please ask us for an [Electrical Spec Summary](#).

Interior finishes

The standard finish of the internal walls and ceiling is powder-coated steel in Alpine White, which has a slight ridged profile. You can screw things into the walls, like shelves or hooks, using metal-to-metal Tek (self-drilling) screws. These should be screwed straight into the walls without a Rawl plug and with no pilot hole.

The walls are also fully magnetic, so you can use a range of magnets and magnetic fixings for hanging pictures, hooks and even slat panelling with magnetic tape.

Cushioned vinyl is used for the flooring, and this is available in a choice of four colours (Muted Sage, Powder Grey, Glade Green, and Poppy Red).

Maintenance

As WOHOBOs are predominantly metal structures, they require very little maintenance. They will look good after many years of use.

We have selected materials that are robust and durable. The external Western Red Cedar cladding is an ideal choice for outdoor buildings as it is naturally hardy and can withstand all weather conditions. If left untreated, the colour of the cedar will change to a silvery grey over time. To retain the original colour of the cedar, it is recommended that the cedar is treated with a clear varnish approximately once a year. We provide information like this, including recommended suppliers, in a WOHOBO Care Book, which we send out to each of our customers on completion of their WOHOBO.

Warranty

There is a 10-year warranty to cover faults to the structure and materials of the studio, including the galvanised steel frame, the composite insulation panels, the external cedar cladding, the window frames, and drainpipes and fascias. There is a 5-year warranty for the double-glazed units and a 1-year warranty for faults to the electrical fittings, window fixtures and fittings, and the vinyl flooring.

The WOHOBO range

There are five studios in our range. Here are the dimensions of each studio. If you would like us to send you a plan and elevations of any of our studios, please get in touch at hello@wohobo.co.uk

External footprint

Studio02: 2175mm x 2155mm

Studio03: 3175mm x 2155mm

Studio03 More: 3175mm x 3155mm

Studio04: 4175mm x 2155mm

Studio04 More: 4175mm x 3155mm

Internal footprint

Studio02: 2015mm x 1685mm + 300mm porch

Studio03: 3015mm x 1685mm + 300mm porch

Studio03 More: 3015mm x 2685mm + 300mm porch

Studio04: 4015mm x 1685mm + 300mm porch

Studio04 More: 4015mm x 2685mm + 300mm porch

External height

2430mm (highest point) / 2330mm (lowest point).

The roof is slightly sloping from the back to the front, with the highest point being at the back.

Internal height

2180mm (highest point) / 2080mm (lowest point).