

A CONSIDERATION OF COSTS

Set out below is a rough costing for our various climbing wall systems to help you calculate your own budget.

These prices are for a full design and build estimate and include a suitable selection of bolt-on holds and their fixings. These prices are applicable to the UK only and are applicable for walls of approximately 100 m², but even then all of the considerations listed overleaf must be taken into account.

Simply find the area of your wall by multiplying the length by the height, then if you want a three dimensional structure (with slabs, overhangs, buttresses etc.) multiply by roughly 15 to 25% and finally multiply by your choice of wall system.

Wall systems

A. Bolt-on Holds on an existing wall: between £50 & £100/m² depending on the structure of the wall, the number of holds you require per square metre and your geographical location.

B. Cristalithe: Here the price range can be enormous, depending on the surface coating or features, how many female anchors you require per panel, the general complexity of the structure.

Flat walls: £250/m².

Simple shapes: £275/m².

Medium shapes: £300/m².

Complex shapes: £335/m².

C. Mozaïk: Three dimensional textured wood panel system. Computer controlled manufacturing techniques allow extremely complex and imaginative designs to be realised. £350/m².

D. Imprint Panels: The original, patented three dimensionally curved modular and interchangeable panel system £350-£400/m².

E. Lightwave: a handmade three dimensionally curved, natural looking, lightweight climbing skin. Allows for a seamless finish in any colour scheme. £375 to £475/m².

F. Freeform: The state-of-the-art, hand sculpted, curved resin system. Ideal for bouldering walls and unique features, such as stalactites and arches, but also applicable for sculptured leading walls and competition surfaces. Perfect where you want a highly aesthetic natural looking, top class climbing wall, or decorative rock facade. £450 to £750/m².

G. Shell Concrete Structures: Costs depend very much on the size and complexity of structure. £450-£600/m².

H. Free standing structures - towers, blocks, pinnacles and arches: approximately £300-£750/m² depending on your choice of wall system.

I. Safety surfaces: 75mm rubber chip safety tiles, supplied and installed £65/ m².

300mm crash mats, supplied and installed £100/ m².

400mm crash mats, supplied and installed £125/ m².

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BUDGET GUIDELINES FOR CLIMBING WALL CONSTRUCTION

For medium and large climbing walls and centres, such as the new Westway Climbing Centre, The Welsh International Climbing Centre, Wirksworth Leisure Centre or the Joint Services Mountain Training Centre of Excellence, a good average to work to is £350 to £375/m². This will give you a variety of wall systems and a range of different types and styles of climbing, a complete finished ready to use project, including safety flooring.

Entre-Prises offer a wide range of climbing wall systems to suit all budgets. Each climbing wall is unique in its design and can be made from a combination of surface types to accommodate all styles of climbing. There are many variables that will affect the ultimate cost of a climbing wall and these must be taken into account when using the approximate square metre prices for the different systems, which are set out overleaf.

Some critical considerations, when costing climbing walls:

1. The type of wall system: Bolt-on holds, Cristalithe and featured wood panel systems, Imprint Panels, Lightwave system, Freeform system or a Shell Concrete Structure. The choice of wall system may well define the budget, or the budget may define the choice of system.
2. Is the structure going to be free standing, fixed to an existing wall or perhaps fixed to a purpose built wall? If fixed to a wall, will the support wall withstand the stresses imposed by a climbing structure, maybe a few tonnes in weight?
3. What type of wall fixings will have to be used? This will depend on whether the support wall is made of wood, brick, concrete blocks, stone, steel frame or reinforced concrete. Is an additional primary steel frame required to spread the loads?
4. Who will use the wall? Good climbers, beginners, children, disabled, competitors, or a mixture of all these?
5. What is your expected usage? Some wall systems last longer than others and this could be the prime consideration if you are thinking of a purpose built centre that may have over 50,000 user visits a year. Different systems are more appropriate for certain types and styles of climbing.
6. Will any preliminary work need doing? Such as the removal of radiators, electrical wires, ventilation systems, fire alarms or light switches.
7. Where are you geographically located? Is your wall to be built indoors or outdoors? Is access easy? Can we get in with scissor lifts and/or scaffolding?
8. Do you want belay bars, an abseil platform, stance points, lead points, overhangs, slabs, articulated walls, specialist flooring, auto belay systems, climbing equipment etc?
9. Is there sufficient space in front of the climbing wall? In general, we advise that there should be 2 to 2.5 metres from the most overhanging section of the climbing wall. The floor area should be free of any obstructions.
10. How big will your wall be? Large walls are relatively cheaper per square metre than small walls as the fixed cost overheads for travel, engineering, delivery etc are proportionately reduced.

These are but a few of a huge number of questions that need to be answered before we can give you an accurate quotation for your climbing wall. In some cases this may involve a site visit by one of our design team and discussions with your project supervisor and architect. However, for most projects simply accurately completing the Climbing Wall Specification Sheet will be sufficient for us to make an initial design and quotation for you.

If you need any help or are in doubt about any questions on the form, please do not hesitate to call us by phone on 01282 444800 or email at info@ep-uk.com

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