



Protect what matters



With our inclement and unpredictable weather conditions, innovation is needed to protect people, products and plant. Zappshelters are the smart way to get under cover fast. Rapid to install and using only the most basic of equipment, Zappshelters usually require no planning consent to erect, and are easy to dismantle and relocate as needed.

Designed and strenuously tested for the world's harshest environments, Zappshelter can provide flexible, temporary or permanent covered areas for your location. They are available in a range of standard widths and lengths, and bespoke sizes can be made to suit your specific requirements.

Shipping containers are everywhere; self-store facilities, site compounds, container apartments and complexes, and even temporary public amenities in disaster-hit areas. Wherever you go in the world, you'll find the versatile shipping container put to innumerable ingenious uses. Why? Because they're readily-available, affordable, flexible and secure.

Until now, container storage has been limited to the containers themselves, and often the space around them is wasted, simply because no one has found a safe and satisfactory way to utilise it. The introduction of Zappshelter opens up a whole host of further applications and possibilities, taking the container concept to a whole new level.

As Zappshelters have evolved, so has the need to mount on other structures. Zappshelters are being installed on both new Zappblock bunker walls or customers' existing concrete bunker walls. We also create bespoke steel frames to suit the individual requirement of each customer.



- Recycled asphalt (RAP) storage
- Aggregate and salt
- Wood and paper waste
- Timber frame manufacture
- Covered unloading areas
- Wash bays



- Plant and vehicle maintenance
- Plant and equipment storage
- Steel fabrication
- Site workshops
- Warehouse extensions
- Shot-blast and paint bays



- Welfare areas
- Aircraft hangars
- Boat building and marine
- Sports facilities
- Emergency support facilities
- Disaster relief

The Zappshelter design has been certified by structural engineers with extremes of climate in mind. This is reflected in the carefully designed galvanised steel arch structure and the tough fabric membrane, ensuring Zappshelters offer great protection from the elements for many years.

Component	Information
Steel structure	High tensile, galvanised structural steel complying with BS4360 or EN100025.
Fabric cover	Composite woven PE engineered for high tensile and tear strength, retained tension and abrasion resistance. Excellent UV resistance and a dirt repelling coating.

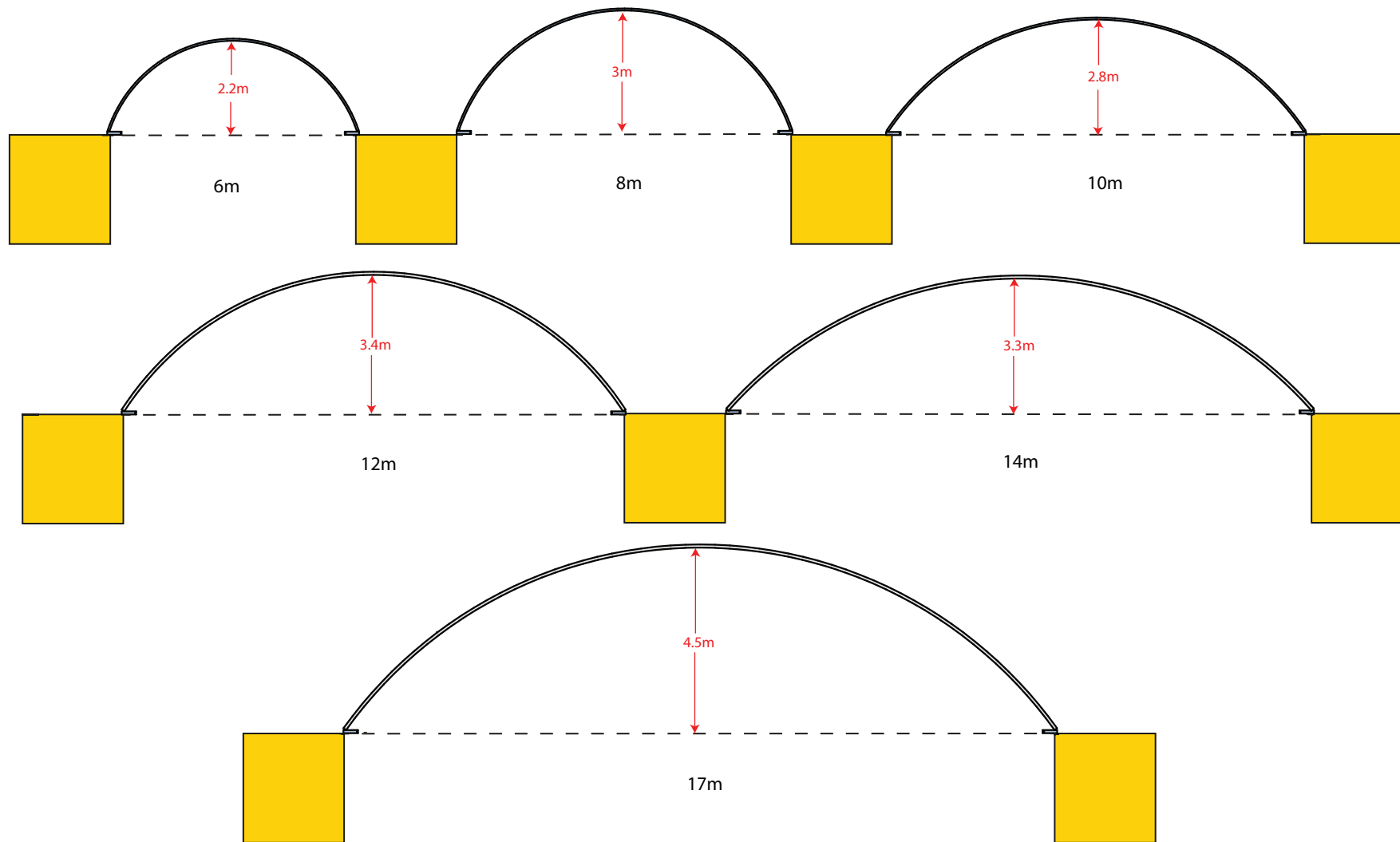
Tested for	Criteria
Snow loading	Complies with BS EN 1991
Wind loading	Complies with BS EN 1993

Model	Width	Length	Arch Height
ZS0606	6m	6.1m	2.3m
ZS0612	6m	12.1m	2.3m
ZS0806	8m	6.1m	3.0m
ZS0812	8m	12.1m	3.0m
ZS1006	10m	6.1m	2.8m
ZS1012	10m	12.1m	2.8m
ZS1206	12m	6.1m	3.4m
ZS1212	12m	12.1m	3.4m
ZS1406	14m	6.1m	3.3m
ZS1412	14m	12.1m	3.3m
ZS1706	17m	6.1m	4.5m
ZS1712	17m	12.1m	4.5m

Additional sizes available on request. Zappshelters can also be manufactured to site-specific dimensions.

In very high winds, Zappshelter acts much like a tent. In theory the structure may move if it's not anchored, but doesn't collapse. A curve is a strong shape under downward pressure such as wind or snow which, coupled with the interconnected design of each arch component, prevents collapse. The structure strengthens under tension, which is the force applied by wind uplift. The structure on which it is mounted each side holds it down; however, to prevent it lifting in extreme conditions, these can be anchored to a slab or piers.

One great feature of the Zappshelter structure is its ability to flex in order to cater for minor differences in level from side-to-side and end-to-end. A prerequisite of it's success is ensuring the cover is well-tensioned at all times. A periodic check on this will greatly extend the life of the structure.



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Zappshelters require only basic equipment and skills to assemble. As their final destinations are often in remote locations, care has been taken to ensure that the simplest methods are employed to put each component together, including push-fit connections, bolted joints and straightforward weld-on container attachment rails.

Detailed step-by-step instructions are included in each kit, which comes complete with everything you need to assemble your Zappshelter successfully.

More detailed information can be found in our installation guide.



When installed correctly, Zappshelters will give many years of excellent service. A critical factor that ensures a successful installation is the positioning of the support structure. If using containers, these must be parallel and as level as possible in width and length. They must also be firmly anchored or weighed down to prevent wind uplift. This can be achieved using anchor fixings into the ground or by weighting the container with ballast. Precast concrete blocks must be positioned and assembled in accordance with the manufacturer's instructions.

It is also crucial to ensure that the cover is well-tensioned at all times. A periodic check on this will greatly extend the life of the structure.

Some Zappshelter applications require additional protection, especially if it is covering sensitive materials or equipment. For this reason, we have developed a number of great end wall options.

The partial end wall simply encloses the space from the top of the containers to the highest point on the dome. This gives extra protection without restricting access.

The full end wall offers the option of completely enclosing the rear of a Zappshelter, protecting from driving rain and adds an additional security element.

A number of bespoke options are available, including roller door systems and sliding curtains for ease of access.

One or a combination of two options can be used with any Zappshelter, and can easily be added or removed at any point.



The benefits of using a Zappshelter end wall include additional weather protection from driven rain and snow in exposed areas. When working with sensitive equipment or materials, or when applying coatings such as paint or lacquer, it is essential to keep the area dry. The use of end walls also means some heat may be retained.

Another significant advantage is security. Whilst Zappshelters are not classed as secure storage, the addition of an end wall can greatly reduce the risk of theft and damage by simply obscuring the contents of the covered area from the sight of passers by.



Paragon Protection Systems Ltd
The Steading | Inchcoonans | Perthshire | UK | PH2 7RB
0208 0505 121
sales@zappshelter.com