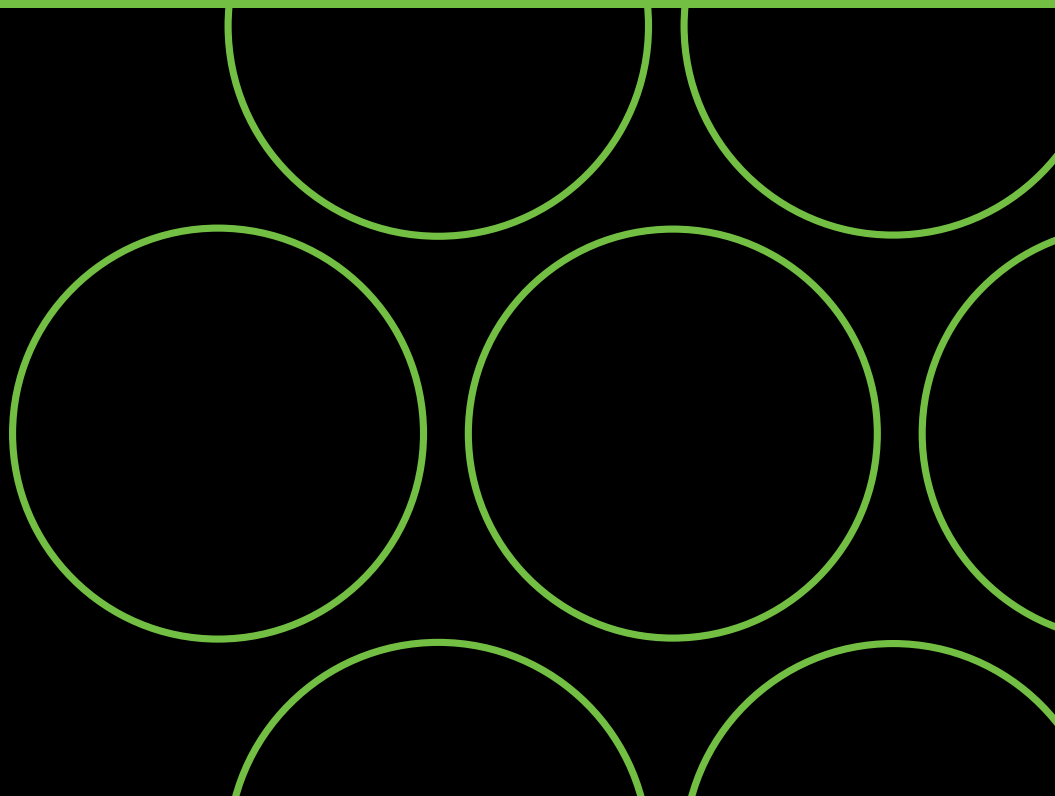




Keder Greenhouse



Keder Greenhouse

The proven next generation in protected growing environments, which give outstanding benefits to growers.

Our structures are:

Energy efficient, offer UV Protection, durable, extremely strong, extendable, they also look fantastic.



Key features and benefits of a Keder Greenhouse.

Preparation of Site

In order for us to install the greenhouses we require a flat level piece of land, with good access and a minimum of 1m clear working space around the structure, we also require to be informed of any overhead or underground services that may be where construction is due to take place.

Base

Our greenhouses are typically installed on grass or soil, the foundations are dug out at every 2m point. Each upright has a foundation pad of 50cm³ approximately. However if your requirements are for a concrete base we can work with your contractors to achieve this end result.





Frame

Our greenhouses are manufactured from ZN35 high tensile structural steel, weld repaired tubing, (weld repair being of Molten zinc) 44.5mm + 50.80mm diameter. Which is pre galvanised inside and out, to provide a corrosion – free structure for many years. This means our steel tubing is almost twice as strong when compared with standard steel tube.

Our steel tube is sourced from UK manufactures and every batch has full traceability. In addition all brackets are manufactured and plated in the UK specifically for our structures. Hoop spacing is standard at every 2 metres across the full range of structures with cross bracing on every hoop as standard.

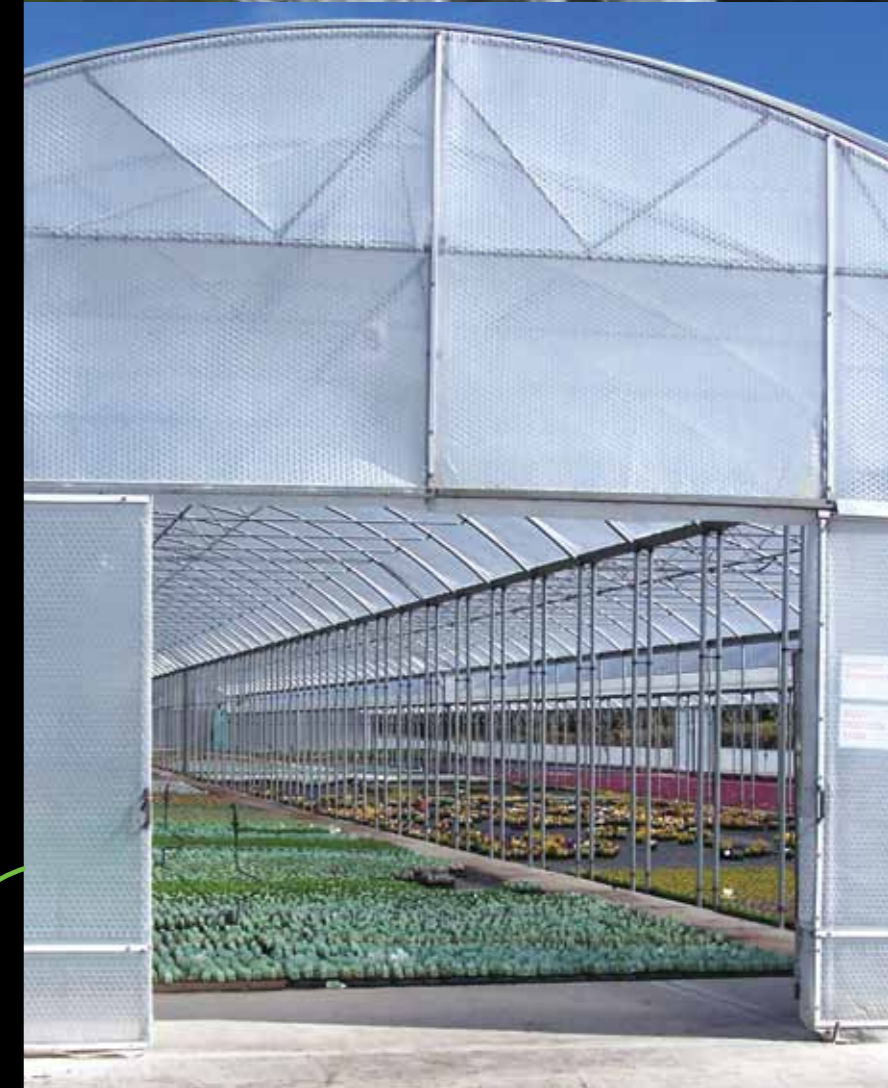


Gutters, doors and timbers

Our gutters are made from pre-galvanised 2mm steel sheets and are fitted as standard along both sides of the greenhouse and in the valleys if applicable, they are fitted with downpipes which allows for rain water harvesting.

All timbers used in the construction process are pressure treated and tanalised to ensure long life.

All doors are top track sliding. They are manufactured from 40mm x 40mm box section steel and hot dipped galvanised. All fixtures and fittings are suitably plated to protect against corrosion and ensure minimum maintenance.



Ventilation

As standard on our commercial structures there are manual outer wall vents. These operate via a manual gearbox. It is designed to be simple efficient and maintenance free. The vent operates on a bob weight system, dropping down from gutter level, providing an opening of approximately 1.25m as standard. This enables airflow high up where it is needed most and minimises the potential of wind damage to tender crops on the ground.

If your greenhouse is a triple span or greater a cathedral roof vent system can also be incorporated into the design.

These vents can be upgraded with the addition of an electric thermostatic control unit, which are designed to be simple in operation and use. Each unit operates independently, opening and closing a single vent to your desired temperature. The control of the unit is totally programmable to set response and delay times as well as varying stages of opening and closing.



Light transmission

The unique bubble design guarantees an even light diffusion over the entire greenhouse. 83% of the sunlight diffuses through more than 100 air bubbles per square foot, 30% of which is healthy infrared light. This even scattered distribution of light avoids the need for shading the greenhouse, plants are not scorched, nor searching for light. We give a 10 year guarantee against UV Degradation

Insulation

Keder cladding provides an insulating effect that retains up to 85% of heat radiation whilst providing its users with impressive U + R Values. And unprecedented thermal resistivity and conductivity creating the most energy efficient product available in a film without any further enhancements. This represents significant cost savings for its users. Please see our energy comparison leaflet for further details.

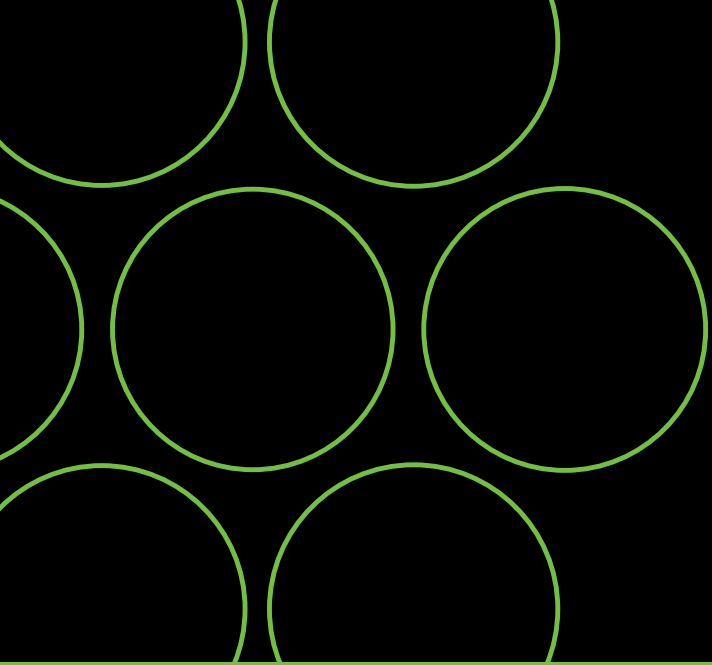
Fitting the cladding

The Keder greenhouse system has been specifically designed to be installed with ease and speed, not only in the initial installation process but also at a later date should any alterations be required.

All structures are designed on a 2mt increment spacing for the steel frame. Our profile which the Keder cladding fits into is secured in place. Once the frame has been assembled and the profile is secured in position the Keder cladding is fed through the profile tensioned and secured in place.

This system combined with the weight of the cladding allows for installation of our greenhouses in weather and locations where a standard polytunnel installation would not be possible.





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