

Dome Structures



HortiMax

We have elaborated a Dome structure, functional even in winter, as part of a durable and economic solution. There are numerous applications for our Dome buildings, especially because they are so affordable and performing. We thought it would probably be more convenient to offer some pictures of how some domes has been employed to inspire you to its great versatility. You can easily assemble our Domes and in a short while.

Greenhouse

The Dome may be employed as greenhouses, to have access to a luscious growing garden year round.

Since our Domes provides a so wide and high open spaces, almost any type of plants may find its place and thrive in this unique environment.

The garden may be employed get in tune with mother nature or to grow fresh and tasty vegetables, spice herbs, medicinal plants and anything else.

The Dome provides an enclosure where the plants are isolated from the outside world, ensuring them protection from fungus, insects and cross pollenisation.

With adequate equipment, the temperature and humidity level may be controlled for stable growing parameters.

With ETFE pneumatic pillows, you could benefit of the best quality lighting and exceptional durability.



Solariums & Gazébos

A Dome offers a unique cachet to your property and increases its value.

A solarium is exactly what you need to pick-up energy and vitamins to counter winter depression.

Even in the most rigorous months of January & February, you will be immersed in heat and beneficial radiant rays during the day, as if you were in the tropics and totally free.

Because of the dome shape, there is always a face ideally facing the sun and there is very little interference from the slim supporting structure.



A wise investment for years of a privileged living style !

Spa & Pool Covers

Our Dome are permanent buildings providing a lot of free space, because it is self supporting, having no columns and other similar obstructions.

Our Dome enables the users to benefit comfortably from their Spa or pool year round and in any nasty weather conditions.

During summer, some of the triangles can be exchanged for screens making this wide space a comfortable place where we like to be.



Nature's Retreats

Initially our Domes have been designed to ease its shipping in remote regions, as a very accessible hunting & fishing building or to be used as a shelter in the wild.

The Dome is aerodynamic and can easily withstand constant and turbulent winds. When inside, you will feel secure and you will hear less noise since the air mass easily surrounds the curved shape of the building.

Our Dome is an economical solution in an isolated camp site where transport may become rapidly problematic and prohibitive. The structure can be disassembled as easily as it is assembled and may be moved in a jiffy.



In Urban Areas

Our structure is so light, it may also be used on top of the flat roofs in urban areas. It can be used as a studio and offers an additional room ... in the sun.

The Dome that covers and isolates the roof, gathers the free solar heat in winter that may be practical in lowering your heating bill.

The Dome could be used as outside playing area for kids or as a recreation area. Some of our membranes are opaque to the view for more intimacy, while letting thru a soft white light for a unique and stimulating ambiance.



By growing vines on the structure of the Dome, you will have the most awesome Pergola in town !

On your Farmland

On a farm a Dome has even more utility, and may be employed for the animals and plants.

An ETFE covered Dome is all indicated to start your plants in spring because the young plants will be more vigorous and will not be stressed when its time to transfer them outside.

We also have inside liners allowing the Dome to be used as a manure cover for the biogases reclamation.

The Dome makes an excellent dryer in autumn and can be used as equipment shelter in winter.

To this day we have delivered Domes as practical on water as it is on land. Here are two examples :



This 30 feet's diameter Dome has be installed on a 40 feet's floating raft on the lake of Two-Mountains near Pointe-Calumet.

The structure is covered by a thick thermally shrinkable Polyethylene of industrial quality. It lets a cool white light go thru while excluding the intense heat of the sun on the lake.

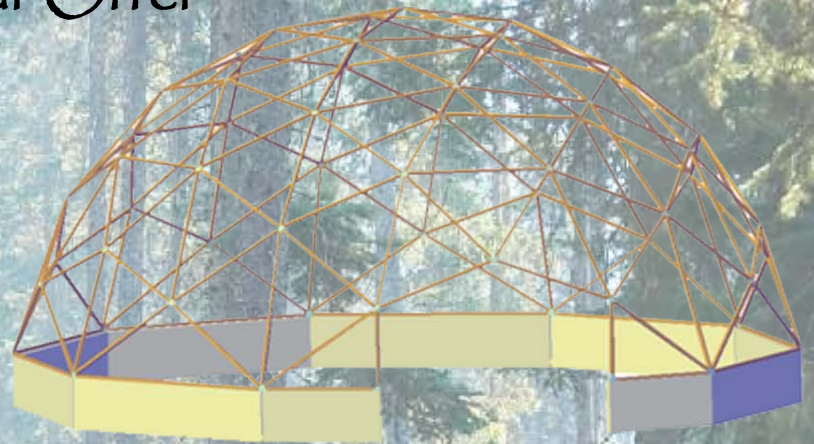
Many boats may dock to it at once and it's the dreamed place to take a sun bath during the day and make a BBQ in the cool of the evening while taking a glass of wine with friends on a Jazz ambiance.

This 30 feet's Dome structure has just been raised on a platform in Brébeuf and will subsequently be covered by its owner using ETFE pneumatic pillows.

This winter he will use it as a greenhouse and solarium at once, since he is looking for the radiant heat of the sun in winter to stay healthy as well as the smoothing effect that the perfumes of plants procure him.



Our Offer



Dome structures of 30 and 40 feet's diameter here shown on a 32 inches wall, to maintain the accumulated snow.

Our structure is delivered as a kit that includes all the necessary materials to easily succeed.

Domes are arch like structures and that is exactly the quality that permits us to have such a voluminous building requiring so little material to be assembled. The dome's structure is self supporting and no column clogs the way of this wide open space.

Its shape is aerodynamic and wind has little grasp on its surface. Its roundness gives out rapidly a favourable slope which minimises the snow accumulation.

The struts of the structure are made out of Cedar that offers a rustic and warm aspect. Cedar is a durable material; light, tolerant to fungus and to insects.

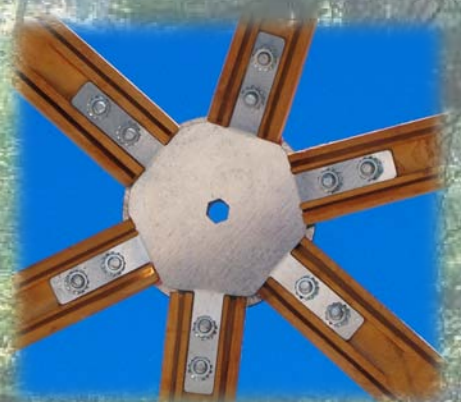
The struts are delivered in the required length and quantity and they are machined with care to fit precisely in our *DualLock* star system.

Our stars holds solidly and aligns the struts of the structure. Our *DualLock* system makes sure that the structure is locked in place, giving-it a remarkable rigidity and allowing-it to support wind and snow.

The stars are made-out of thick steel, either galvanized or stainless, for the ideal strength and durability. The hardware is of high calibre and ensures a strong grip between the struts and the *DualLock* stars. Hardware is available Zinc finish or all Stainless.

Once the structure is up, you can cover it with the membrane of your choosing such as Shrinkable Polyethylene or even rigid and light Polycarbonate panels.

We also offer a ETFE pneumatic pillow solution for the professional horticulturists and a Polyvinyl coated nylon solution for the utility buildings.



Our Dome solution has been designed to perform in winter.

Specifications

	Dome-30	Dome-40
Price - Starting from ...	7,500 \$*	9,500 \$*
Diameter all out	30 feet (9.1 m)	40 feet (12.2 m)
(on a 32 inch wall) Height of the ceiling	16 feet (4.9 m)	20 feet (6.2 m)
Useful floor space	635 feet ² (59 m ²)	1,135 feet ² (105 m ²)
Approximated weight	600 pound (275 Kg)	750 pound (340 Kg)

Eastern Cedar struts, 2" x 2" Flush, Natural finish

Galvanized steel *DualLock* Stars and Zinc plated steel Hardware

* Packaging/Handling/Shipping & Taxes extra

Options

All stainless Stars and Hardware

Fiberglass covers and weatherproofing bands

HempCrete, LightCrete or wooden wall modules

Erecting and covering services

Covering Options

ETFE pneumatic pillows (60 & 100 micron - Transparent)

Polyvinyl covered Nylon fabric pneumatic pillows

Industrial grade Shrinkable Polyethylene (12 mils - white)

Rigid Polycarbonate panels having Double or Triple Chambers

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*Offer yourself
a place in the Sun
right now !*