

Diameter: **22 m**

Height: **5,6 m**

Base Area: **380 m<sup>2</sup>**

Frame weight: **2500 kg**

Cover weight: **390 kg**

Cover area: **520 m<sup>2</sup>**

Capacity: **250 pers**

Kit volume: **6 m<sup>3</sup>**

Production: **5 weeks**

## Specification

### Frame

- Wooden beams of 50x120 mm LVL-timber (with fire and bio-protection);
- The lower belt of the basis from a steel profile pipe;
- Connectors and hardware made of galvanized steel.

### Cover

- Architectural textiles Dickson LAC 640 g / m<sup>2</sup>, non-combustible;
- Tensioner system and all necessary fittings;
- Glazing PVC film 0.7 mm;

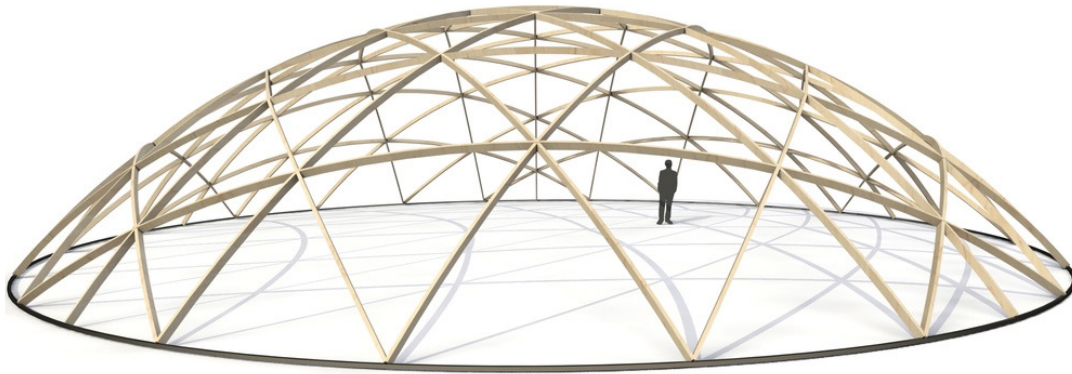
**Installation time:** 8–12 hours / 4–6 people



# Construction

**arkDomes** are made of high-strength materials that are resistant to strong climatic influences, and can be used all year round.

The combination of elegant arches of wood with technological details of steel gives the object a unique style.



**Frame:** LVL timber. High-strength wood material from glued veneer, which is actively used in the objects of modern architecture, and in particular — bearing structures.



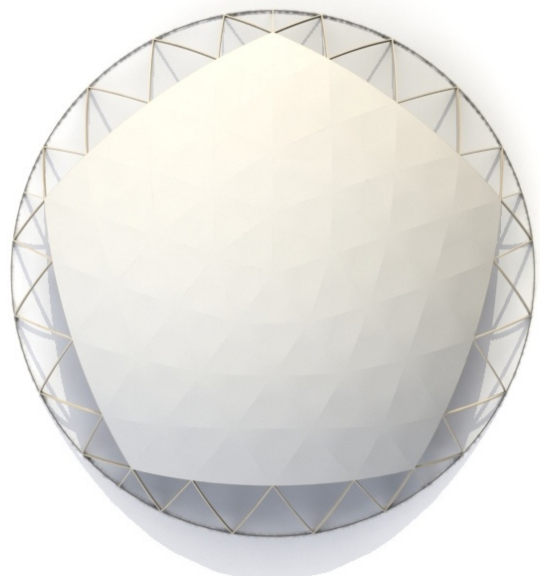
**Connectors:** Steel connectors for constructions of different dimensions (in some cases, connectors are designed specifically for the requirements).

The connectors are designed for quick and easy assembly, with double coating: electroplating and powder.

**Cover:** The combined cover consists of two types of coatings: architectural textiles or/and transparent part of polyurethane film.

Cover made of PVC-fabric is welded into a single piece, which allows significant savings on additional means of sealing (fabric is provided in a large color palette).

Modern rolled materials: PVC, polyurethane, etfe — allow you to create durable translucent covers of any shape.





## Benefits

### Superstable structure

Geodesic dome is the embodiment of one of the most durable and stable structures, open man. The symmetrical network of triangles ensures uniform distribution of the load between all elements of the structure.

### Geometry configuration

The modular structure of the dome opens a field for experiments with geometry and design. Some parts can be completely replaced without losing the integrity of the structure, replace the arrangement of doors and windows, combine transparent and closed parts of the cover.

### Mobility and compactness

The main advantage that makes **arkDomes** real „earth ships“. They can freely navigate geo-space, landing at any desired point, and then set off again. The compactness of the construction will allow you to transport „movable property“ in a small trailer or truck.

### Eco-friendly

The constructions are made of bionutral materials, do not require a heavy foundation and leave no traces of impact.