

Technical specifications

Ecosphera

DIAMETERS AVAILABLE

- 4m (equal to 12,56 m²) – height 2,5 mt
- 5m (equal to 19,625 m²) – height 3 mt
- 6m (equal to 28,26 m²) – height 3 mt
- 7m (equal to 38,465 m²) – height 3,5 mt
- 8m (equal to 50,24 m²) – height 4 mt
- 10m (equal to 78,5 m²) – height 5 mt
- 15m (equal to 176,625 m²) – height 7,5 mt
- 20m (equal to 314 m²) – height 10 mt

STRUCTURE

- Hot-dip galvanized and white powder-coated steel tubes
- Entrance door frame (customizable according to needs)
- 3D3S and SAP2000 tested structural calculation for wind speeds up to 100 km / h and snow load of 0.5 kn / m²

COVER MATERIAL

Cover fabric available in the following colors: white, sand & olive green.

Depending on the diameter of the Ecosphera:

- 80g / m² in white / colored PVC - DIN4102 flame retardant, UV resistant, waterproof
- 950g / m² in transparent PVC - din4102 flame retardant, waterproof

Wall "windowed" of almost 180 ° to observe the external landscape.

Matte finish, created for an "eco-friendly" impact with the surrounding environment.

- Operating temperatures: from -40 to +75 degrees
- Expected duration: 5 - 10 years (depends on the actual climatic situation)



INSULATING COVER

The alum insulation and the canvas roof lining ensure thermal comfort inside the dome in practically any weather condition. The cover is made of technical fabric, fiber-free, hypoallergenic and non-irritating, reflective on both sides, with aluminum film.

- Radiation heat reflection coefficient: up to 85%
- 16OZ canvas and 130GSM aluminum foam, eliminating dew humidity
- Thermal conductivity equal to 0.035
- SGS thermal resistance tested (ASTM D1518-14) as 3 clo (0.465 m²K / W)
- Materials resistant to fire, mold, humidity
- Design consisting of several parts combined with each other

CURTAINS

Double Track Curtain Design: Curtain design plan is customized according to the position of the window section.

The selected materials are: blackout cloth, linen, color and upholstery conforming to conventional standards. Fluid opening and closing sliding system.

The curtain lends itself to the usual laundry washing processes; easy to install, replace and clean.

Currently, standardized dome samples are composed of a louvered dome structure, each layer of tubes is located on the horizontal line, which is advantageous for curtain design. The two tracks are on the same horizontal line.

Curtain set:

- curtain clips + rails
 - Fabric color: various types of colors in option
 - High quality blackout fabric; lightfastness (> 99%)
- Can be washed at temperatures up to 30 C
- Can be ironed up to 100 C

For further information:

Sales@ecolibri.it