

The Shaded Dome Factsheet

Eye-catching

Free forms for infinite
shape possibilities

Pattern cutting with
2 membrane layers

Smart LED-lighting from
200-500 lux

Tailor-made

Multifunctional use for Sports, Expo
and Commercial utilisation

One open space with large free
spans up to 150m

Floor area ranging from 500m²-20.000m²

Accommodates 1.000 persons

Climate Friendly

Prevention of irradiation by double
layered skin

Passive cooling by airflow in cavity

Over 65% reduction in energy use

415 tons CO₂ reduction
per year (5000m²)

Insulated inner skin with low E coating

Circular potential for reuse,
remanufacture and recycle

High Comfort

3.5 seconds reverberation time for optimal
acoustics performance

25°C indoor temperature

Total air volume
refreshed 1.5x per hour
for optimal air quality

Optimised for tropical
climates with Te>30°C

suits low humidity (10%) to
high humidity (90%)

Sand, water & air resistant

Light-weight & Compact

Transport in only a few containers

Total mass of only 5 kg/m²

Foundation with only ground anchors
suitable for all undergrounds

Structured with air pressure

Built in a matter of days

Period of usage from 6 weeks to 15 years

Demounted in a couple of days



shaded dome
TECHNOLOGIES

www.shadeddome.com