

# The Shaded Dome

## Technical Specifications

Element	Colour	Description	Additional specification
<b>1 Membrane inside (Airdome)</b>			
Inner layer skin	white	PES-fabric, PVC-coating on both sides	Fire resistant DIN4102B1
Insulation layer		5 mm felt with alu foil at both sides	4102A1 nonburnable 4102B1
Outer layer	white	PES-fabric, PVC-coating on both sides	
Cable net		Stainless steel, 6 x 19 mm cable structure	S235 / Diameters 8 and 12mm
<b>2 Spacers</b>			
Pin		Galvanised steel tube with mushroom head	
<b>3 Membrane outside (Shade)</b>			
Single layer	grey	Low E PVC-coating, single layer	
<b>4 Foundation</b>			
Anchors cable net		Steel ground anchors (determined by local underground)	Max. depth 10 meter
Anchors membrane outside		Steel ground anchors (determined by local underground)	Max. depth 10 meter
<b>5 Mechanical equipment</b>			
Fan & emergency fan		Installed in external containers for sound absorption Control engineering for wind speed etc, Filter labyrinth for capturing sand by suction, air duct for air supply and distribution for air distribution	
Cooling		Small cooling equipment in airdome	
Ducts		Textile air ducts with exhaust nozzles	
<b>6 Electrical equipment</b>			
Lighting	white	LED high bay, PVC-fabric strips	150W
Emergency lighting		At every door in case of a power breakdown	
<b>7 Entrance</b>			
Revolving door		Steel doors, acrylic glass windows	2 x 2 meter
Emergency door		Galvanised steel frame, doors provided with panic interlock	1 x 2 meter
<b>Additional</b>			
Excluded		The Shaded Dome is delivered without floor system or interior Along the perimeter the membrane layers are buried in the ground	
Acoustic (optional)		Possibility to improve acoustic performance by adding fabrics to the inner layer	
Translucent panels in façade (optional)		Possibility to improve transparency by adding translucent panels to both layers	

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