The Shaded Dome Technical Specifications

	Element	Colour	Description	Additional specification
1	Membrane inside (Airdome)			
	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
2	Spacers			
	Pin		Galvanised steel tube with mushroom head	
3	Membrane outside (Shade)			
	Single layer	grey	Low E PVC-coating, single layer	
4	Foundation			
	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
5	Mechanical equipment			
	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	
6	Electrical equipment			
	Lighting	white	LED high bay, PVC-fabric strips	150W
	Emergency lighting		At every door in case of a power breakdown	
7	Entrance			
	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
	Additionals			
	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	_



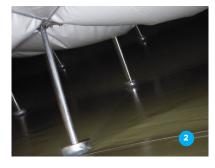
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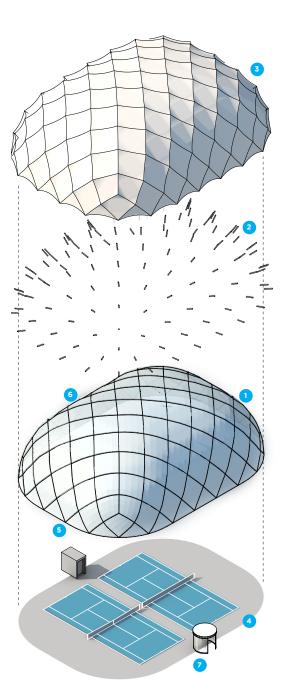
- 1 Membrane inside (Airdome)
- 2 Spacers
- **3** Membrane outside (Shade)
- 4 Foundation
- 5 Mechanical equipment
- 6 Electrical equipment
- 7 Entrance













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