



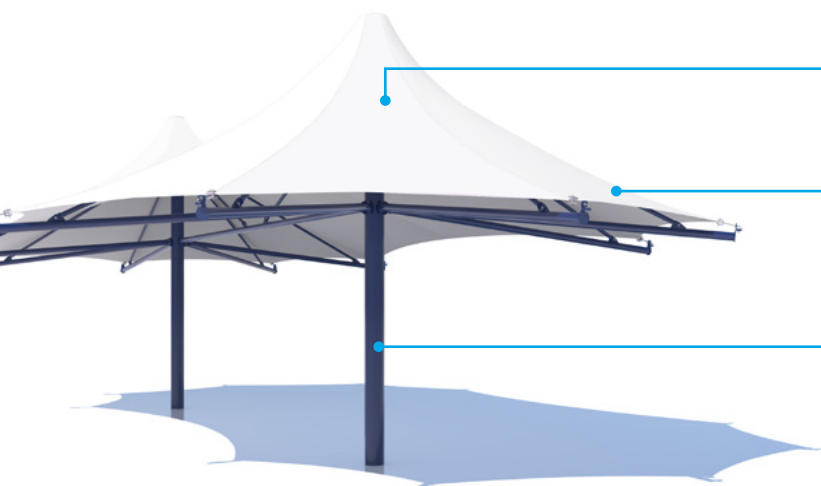
ORION CONIC Fabric Canopies

The high centre point design of ORION Conic tensile structures is a striking aesthetic form that creates a sense of spaciousness under the canopy, while the low perimeter provides great all-day cover without compromising weather or sun shade protection. An immensely strong single column support at the centre of each cone provides excellent usability within the covered area and a cable or fixed edge perimeter accommodates the canopy rainwater management.

Tensile structures have a flexible design aesthetic and form elegant structures with unique characteristics. During daylight hours, the translucency of the fabric creates spaces that are lit with perfectly diffused natural light. At night, the reflectivity of the membrane's underside means fewer luminaires are required to light the space with

reflected light, which also create an ambient exterior luminescence. Tensile structures also require less structural support than traditional roof coverings.

Tensile membrane structures are proven to be highly durable and long lasting, with structures installed in widely varying climates around the world. Fabric membranes comply with all relevant national regulations for fire resistance. ORION tensile structures use a PVC-based architectural fabric manufactured with a PVDF self-cleaning top lacquering layer. These advanced fabrics have a lifespan equal to alternative covering materials with a 25-year design life, covered by a manufacturer-backed warranty for up to 15 years dependent on specification.



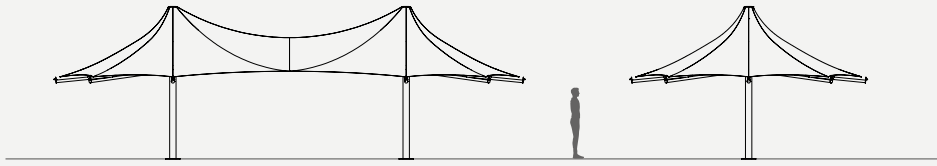
PVC Fabric Colours

A choice of 11 high-quality, hard wearing fabric colours available to choose from

Multiple Conic Canopies

Multiple conic canopies can be interconnected in a single row. For fixed edge conic canopies, multiple rows can also be positioned together.

Module dimensions of up to 8.0m x 8.0m



Design Features



Modular Layouts

Suitable as standalone or as a multiple canopy installation, arranged to form visual interest as well as practical shelter.



UV Protection

The textile coating on our PVC membranes protects from more than 99% of the sun's UVA and UVB rays.



Rainwater Management Options

With a fixed edge design, ORION Conic is fitted with galvanised and powder coated steel guttering to the canopy perimeter.



One-Piece Fabric Membrane

No joints to trap dirt or moisture and advanced fabric coatings provide a smooth, low maintenance surface.



Sound Absorption Qualities

Membrane fabrics provide a soft element within the canopy design, helping to absorb the sound of rain, voices and echo.



High Sunlight Reflectivity

High levels of sun reflectivity and low absorption of sunlight are features of tensile membrane structures.

Product Specification

ORION Conic fabric canopies cover square, rectangular or other regular shapes depending on structure design, supported by a central column. Multiple conic canopies can be joined together to cover larger areas. The membrane is tensioned from a consistent edge height to a point (or points) to create the conical form.

Canopy Dimensions

ORION Conic fabric canopies can be constructed with module dimensions of up to 8.0m x 8.0m. Most modules are square or rectangular; other regular shapes can be formed when a wire edge design is used.

Multiple Conic Options

ORION Conic tensile membrane structures can be specified with interconnected multiples in either fixed edge or wire edge formats, in a single row. Where wider areas need to be covered, multiple rows can be positioned together, with shared gutters an option for the fixed edge format.

Additional Options

Post Protector Pads

Foam protector pads with heavy duty PVC covers can be fitted to canopy posts for structures situated in play areas.

Lighting

Various lighting solutions are available to extend safe use of your covered space or walkway outside of daylight hours.

IR Heaters

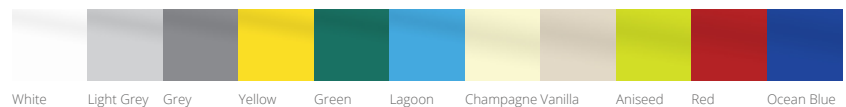
External grade radiant electric heaters can be fitted to ORION canopies to provide warmth to users in colder weather.

Rainwater Systems

ORION canopies can be specified with integral steel guttering, powder-coated to match the steel frame for durability and easy maintenance. Custom aluminium downpipes with integral connections ensure maximum durability, with matching powder-coated finishes.

PVC Fabric Colours

Specified with the FTO Series Architectural PVC Fabric which is an advanced, high quality and hard wearing product, with a smooth PVDF surface coating that stops dirt getting ingrained in the fabric, reducing the level of maintenance required to keep the roof clean.



Fame Finishes

Highly durable polyester powder coatings are applied as the standard finish on steel frame with colours selected from a basic range or from the RAL colour selector. Steelwork is cold grit-blasted to SA2.5, with a zinc coating and anti-corrosive primer, followed by the high gloss polyester colour powder coat finish. Alternatively, hot-dip galvanised coatings can be specified for the harshest environments where a decorative finish is not required.

