In Demand

88 STANDARD DESIGNS ARCHITECTURAL PVC & SHADECLOTH



In Demand Trading is the center of a connected product development system that enables you to purchase great products with professional grade engineering solutions. We have 30 years experience in the Tensile Membrane Industry and have successfully design, fabricated and installed our structures in over numerous countries around the world. Our structures comply with local and international wind load standards. We do not take chances when

it comes to providing our clients with structures that will stand up to the wind load requirements of each region or country we supply structures to.

Standard Tensile Structures are available in shadecloth, PVC & architectural PVC.

Standard Size are 3 000 x 3 000mm, 4 000 x 4 000mm and 5 000 x 5 000mm. Custom sizes available on request.



All structures are wind rated to 140 km/h.

Technical:

Structural analysis of a product is an iterative process. Our project engineer creates a discrete geometric model based on the designer's inputs and by using tensile wind load analysis software tools. Our project engineer then validates the products based on the simulation results. After optimization, the product design is again assessed to ensure the product will withstand the desired wind loads.

A 100% 3D model is generated with all the steel, plates, cables, nuts and bolts and is then analysed using our software. We generate a full wind load response video as well as detailed Finite Element Analysis Report. The model is an intelligent model which allows up to simply adjust the steel specifications in order to achieve the most economical structures that can withstand the wind load we wish to apply. Our project engineer is able to extrapolate based in terrain, shielding, air pressure (altitude) etc to ensure the most economical structure is offered for the desired wind load, location or market.







manufactured to Specifications