

## PRODUCT SPECIFICATION SHEET

# Tension Fabric Buildings & Fabric Structures

Galvanized steel truss frame with tensioned PVC membrane. Engineered to international wind and snow codes and delivered worldwide.

## General Specifications

Parameter	Specification
Clear span width	10 m – 80 m+ (33 ft – 262 ft), column-free
Building length	Unlimited (modular bays 3.6 m / 12 ft)
Sidewall height	Up to 12 m (39 ft), customizable
Frame	Hot-dip galvanized steel truss (Q355B / A572-50)
Membrane	Architectural PVC 610 / 750 / 900 gsm (18 / 22 / 27 oz)
Membrane properties	UV-stable, flame-retardant B1 / M2, anti-fungal
Wind load	Engineered up to 180+ km/h (112+ mph), site-specific
Snow load	Engineered to local code (ASCE 7 / EN 1991-1-3)
Design temperature	-40 C to 70 C (-40 F to 158 F)
Galvanizing	Hot-dip to ISO 1461, zinc >= 85 microns
Service life	Frame 25+ years; membrane 15-20 years
Certifications	CE, ISO 9001 manufacturing

## Membrane Grade Selection

Grade	Weight	Imperial	Typical Use	Service Life
Standard	610 gsm	18 oz	Temporary / budget	8-12 yrs
Heavy-Duty	750 gsm	22 oz	General industrial	12-18 yrs
Premium	900 gsm	27 oz	Mining / alpine	15-20 yrs

## Standard Model Sizes (indicative)

Model	Span x Length	Eave Height	Peak Height	Area
CMS-1230	12 x 30 m	4.0 m	6.5 m	360 m <sup>2</sup>
CMS-2040	20 x 40 m	5.0 m	9.0 m	800 m <sup>2</sup>
CMS-3060	30 x 60 m	6.0 m	12.0 m	1,800 m <sup>2</sup>
CMS-5080	50 x 80 m	8.0 m	18.0 m	4,000 m <sup>2</sup>



# CHAMPION METAL STRUCTURE

Engineered Fabric Buildings | [www.championmetalstructure.com](http://www.championmetalstructure.com)

To request a project-specific specification, contact [sales@championmetalstructure.com](mailto:sales@championmetalstructure.com).