

Light-Weight Structure
TENSIONED FABRIC SYSTEM



TENSA SHADES

"Inspiring Form And Function."



01

SHELTER

Tensile Fabric Structure is the most effective approach to make a shelter that gives protection from the sun, rain, and wind. Tensile Fabric Structures use less material and take less time to build than traditional structures.

02

QUICK INSTLLATION

Tensile Structure requires short time to install. They won't use more energy during the construction phase. The installation of tensile structure is cost-effective.

03

COLORS

Tensile Structures are available in a wide range of colors, designs, and styles. The vibrant tensile framework can create a warm and inviting environment. The statement tensile structure is created by the appealing and elegant hues.

04

LIGHTWEIGHT

Tensile Fabric Structures are lightweight and versatile in shape and structure. They are easy to use and install.

05

DURABILITY

They have excellent longevity. The tensile structure is exceptionally robust and resists tough and extreme climates and environmental circumstances thanks to a unique mix of design materials, construction, and surroundings.

06

NATURAL LIGHT

The usage of natural light is a fundamental advantage of Tensile Fabric Structure. They have a transparent membrane that allows sunlight to pass through and brighten the interior of the building. Natural light is good for your mood, your health, and your performance.

07

ENERGY EFFICIENCY

Tensile fabric structures conserve energy by reducing the use of artificial lighting. They provide enough natural light to brighten the room.

08

LOW MAINTENANCE

Tensile Fabric Structures need only a very low level of maintenance compared to a traditional construction. Fabric Structures are easy to clean.

TYPES

01

HYPAR

Because of their attractive appearance, HYPAR (hyperbolic paraboloid) forms are one of the most common of all tensioned membrane structures. They excel in shape retention and water runoff. The stability of these structures is based on two opposing curvatures, also known as anticlastic. Shade can be provided over seating areas or high-traffic walkways with this style of structure.

02

CONE

The tent-like shape of a conical tension structure makes it highly useful for covering huge areas. Single or more masts can be used in conical designs. Membranes are tensioned between a ring at the pinnacle and the lower perimeter support columns in both design options. Cones are especially effective in areas that need to comply with high rain or snow load regulations.

- **Fabric ID:** PVC / PTFE / HDPE
- **Steel:** BS 1387-85 Class A-1/ASTM A 53
- **Steel Finish:** Epoxy Finished / HDG & Epoxy Finished
- **Fabric Warranty:** 10 years as per manufacturer



East Hidd, Bahrain.



Rawdha Palace, Bahrain.

TYPES

03

BARREL

These symmetrical curving parallel arch designs create a highly effective tensioned membrane canopy that may cover large areas, such as a sports stadium, or smaller sections, such as an entryway. Due to the repeating nature of the design and material efficiency, a barrel vault system can be a very cost-effective approach to incorporate tensile membrane on a project, depending on the spans.

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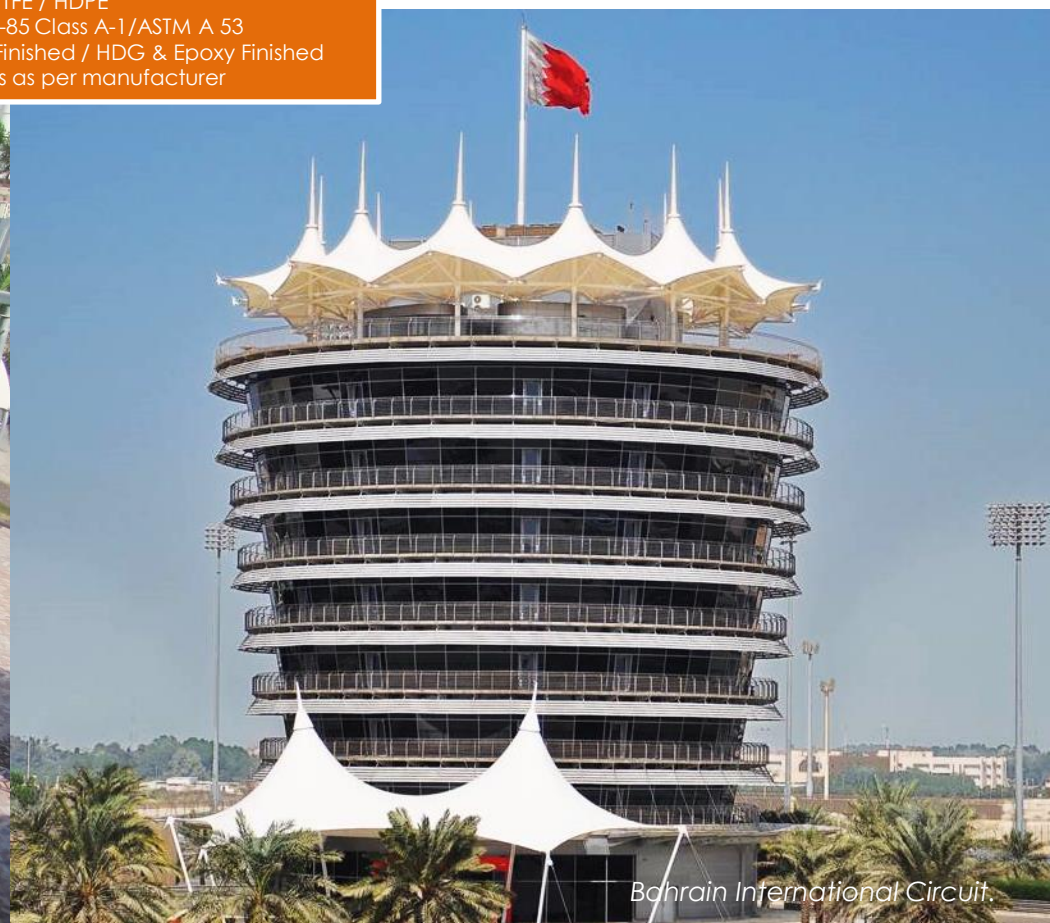


Arab Open University, Kuwait.

04

COMBINATION

A mixture from the three types of tensile structures. Whilst forming a variant of shapes, it is also maintaining the functional essence and capabilities of a hypar, conic and barrel structures, resulting in a very lively atmosphere.



Bahrain International Circuit.

OTHER PRODUCTS

■ *ETFE Skylight System*



Cable Net System ■



■ *Car Parks*



Roofing System ■

■ *Textile Façade System*



