



Sheds with a difference

Tensile Fabrics based Structural Solutions

Better Protection | Aesthetics

Light Weight Solution | Low Maintenance

Tensile Fabric is a multi-layer composite material with densely woven low-wick yarn in the base fabric. The surface lacquering is done with a new blend of highly concentrated **Polyvinylidene fluoride (PVDF)** and reinforced with a protective layer of **Titanium dioxide (TiO₂) Nano-Primer.**



About Nest-In



Nest-In is Tata Steel's steel based modular construction solution. With its pan-India presence, and highly efficient delivery mechanism, Nest-In strives to provide complete turnkey solutions with a unique customer experience at its core. It is suitable for various applications like Pre-fab housing, Pre-fab modular toilets, Water ATMs, Portable Cabins, Premium Houses etc.



About CanvaNest

NEST-IN BRANDS



Is a pre-fabricated house



Is a water vending kiosk



Is a portable cabin



Is a modular toiler



Is a rooftop premium housing

Is a tensile fabric based structural solution

The Nest-In edge

Quality

Quality of Turnkey-Solution is of utmost priority.

Reach

Strong delivery channel across the Nation

Speed

Faster and hassle free solution

FABRIC TYPE AND QUALITY SPEC. SHEET

Finish	PVDF-lacquer on both sides, protected against microbial and fungal attack, UV-protected, low-wick				
Total weight	700 g/m ²	900 g/m ²	1050 g/m ²	1350 g/m ²	1550 g/m ²
Tensile strength Warp/Weft kN/M	60/60	86/84	120/110	160/140	200/180
N/50 mm	3000/3000	4300/4200	6000/5500	8000/7000	10000/9000
DIN EN ISO 1421/V1					
Tear strength Warp/Weft DIN 53363	300/300 N	500/500 N	900/800 N	1200/1200 N	2000/2000 N
Flame retardancy	BS 7837 California T19 D.M.26.06.84 (UNI 9177): CL.2 DIN 4102: B1 NFP 92507 : M2 SIS 650082 EN 13501-1 : B-s3-do	BS 7837 California T19 GOST: G1 DIN 4102: B1 NFP 92507 : M2 NFPA 701 Test 2 EN 13501-1 : B-s3-do	BS 7837 California T19 D.M.26.06.84 (UNI 9177): CL.2 DIN 4102: B1 CAN ULCS 109 EN 13501-1 : B-s2-do	BS 7837 California T19 D.M.26.06.84 (UNI 9177): CL.2 DIN 4102: B1	BS 7837 DIN 4102: B1
Most common width	250 cm	250 cm	250 cm	250 cm	250 cm
Welding	weldable without grinding and with common welding equipment				

Merits of Tensile Structure Sheds

LOOK & FEEL



Aesthetically appealing.
More architectural beauty.

SPEED OF EXECUTION



Less steel fabrication, hence
quick solution.

LUMINOSITY



High, as tensile fabric is a
translucent material.

WEIGHT



Lightweight roofs built with less
steel and light foundation work.

QUALITY CONTROL



All fabrication done in factory,
hence better quality structures.

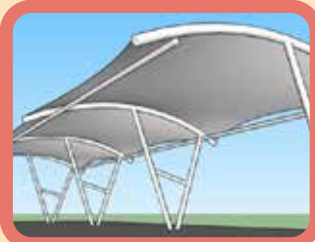
LOW MAINTENANCE



PVDF coating dose not allow
dust to settle, can be clean
with normal soap water.

How is it made?

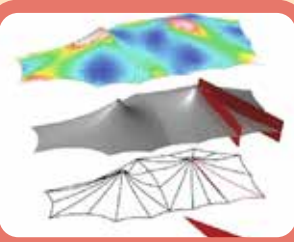
STEP 1



Design and Engineering

- » 3D Design of Tensile Fabrics
- » Structural Engineering

STEP 2



Fabric work

- » Patterning
- » Cutting

STEP 3



Fabric Welding and Stitching

STEP 4



Steel Fabrication

- » Welding
- » Sand Blasting
- » Painting

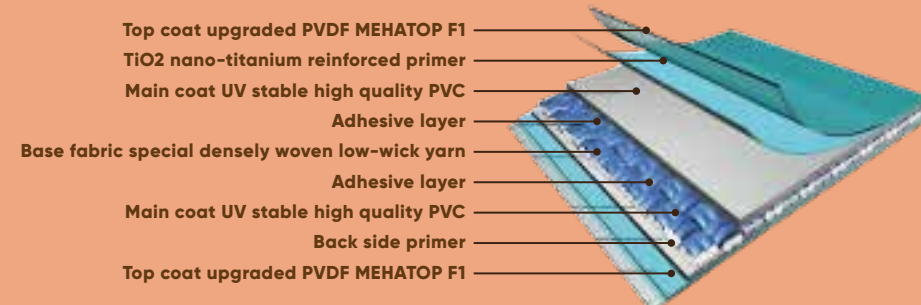
STEP 5



Installation

- » Foundation
- » Structural Erection
- » Fabric Installation with accessories

SCHEMATIC VIEW OF THE FABRIC



Product Applications

In general, Tensile Structure Sheds offer a variety of benefits

- + Protection from UV, heat, dust and rainfall
- + Aesthetics
- + Better shape
- + Light structure structural steel from the house of **Tata Steel** i.e. **Tata Structura**

Parking Sheds



Ideal for
Office Complex | Commercial Complex
Housing Complex | Institutions | Community Centre
Individual Houses

Covered Walkways



Ideal for
Resorts | Hotels | Parks | Tourist Places |
Individual Houses

Benefits

- + Superior quality
- + Complete solution including foundation
- + Hassle free solution
- + Protection from bird droppings

Benefits

- + Enhances the beauty of the place
- + Low maintenance
- + Low dust accumulation
- + Easy cleaning
- + More floor space
- + Less structural support

Product Applications

Gazebo

Entrance Sheds



Ideal for
Resorts | Hotels | Parks | Tourist Places |
Individual Houses

Ideal for
Office Complex | Commercial Complex
Housing Complex | Institutions | Community Centre
Individual Houses

Benefits

- + Decorative leisure space
- + High durability & longevity
- + Complete turnkey solution including flooring
- + Superior quality
- + Hassle free solution

Benefits

- + Weather protection
- + Enhances the beauty of the place
- + Convenience in gate operation



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