

SEMI-TENSILE STRUCTURES



Textile architecture makes the area look more spacious and creates an inviting atmosphere. Due to its light weight, textile and flexible construction, membranes create more versatility than regular roofs.

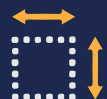
Tensile membrane structures may also be used as complete buildings, with a few common applications being sports facilities, warehousing and storage buildings, exhibition venues, roofing, industrial halls, sports halls, event halls, car parking shades, roof top covers, shelter, restaurants etc.



Weatherproof



Weldable



Dimensionally Stable



UV Stabilised



Resistant to chemicals



High Tear & Crack Resiatnce

TORO TAUT		TAUT			
		650FR	750FR	900FR	760 2PTC
Coating		PVC	PVC	PVC	PVC with acrylic protective top coat
Finish		High Gloss	High Gloss	High Gloss	High Gloss
Type of Yarn		High tenacity low shrinkage Polyster yarn	High tenacity low shrinkage Polyster yarn	High tenacity low shrinkage Polyster yarn	High tenacity low shrinkage Polyster yarn
Denier		1000D	1000D	1000D	1000D
Weight	Gsm	650 (+10/-5)% IS 7016 Part I	750 (+10/-5)% IS 7016 Part I	900 (+10/-5)% IS 7016 Part I	760 (+10/-5)% IS 7016 Part I
Thickness	mm	0.52-0.55 IS 7016 Part I	0.59-0.61 IS 7016 Part I	0.71-0.73 IS 7016 Part I	0.60-0.63 IS 7016 Part I
Tensile Strength Warp \ Weft	N/5cm	2500 / 2300 IS 7016 Part II	2600 / 2500 IS 7016 Part II	3800 / 3600 IS 7016 Part II	2600 / 2500 IS 7016 Part II
Tear Strength Warp \ Weft	N	260 / 250 IS 7016 Part II	280 / 270 IS 7016 Part II	420 / 400 IS 7016 Part II	280 / 270 IS 7016 Part II
Adhesion Strength	Kg/5cm	> 8 IS 7016 Part V	> 8 IS 7016 Part V	> 8 IS 7016 Part V	> 8 IS 7016 Part V
Water Proofness	ml	0 ml water collect outer surface not wet IS 7016 Part VII	0 ml water collect outer surface not wet IS 7016 Part VII	0 ml water collect outer surface not wet IS 7016 Part VII	0 ml water collect outer surface not wet IS 7016 Part VII
Vertical Flammability		No top/edge flaming No molten debris No after Flame/glow IS 11871 Method A			
Horizontal Burning Rate	mM/MIN	<= 100mm/min DIN 75200			

****Colour : As per customer requirment**

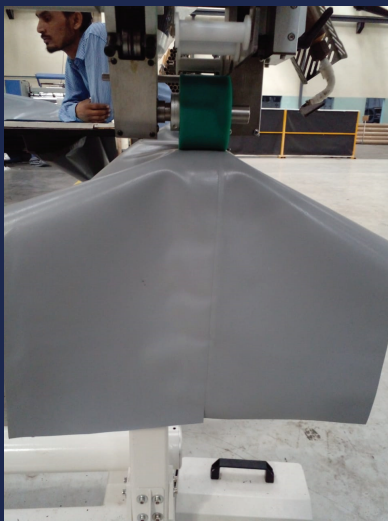
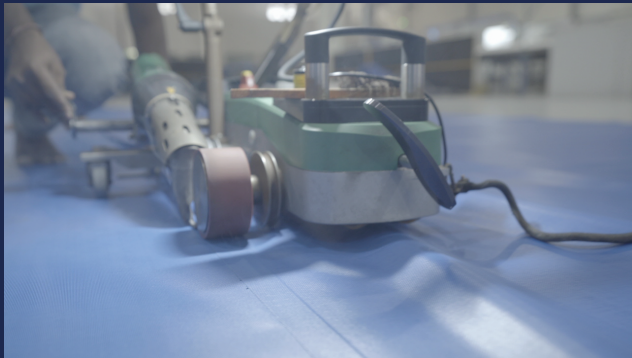


Available up to 3.2m seamless / standard 50m roll length

The specification and information mentioned are for information purposes and in no way contractually binding. This information is subjected to revision as additional technology is developed. MRT Ltd and it reserves the right to change/modify the data without prior notice.

● INTRICACY OF FABRICATION

The number of joints made to fabricate a product are minimum because of our wider width 3.2m. Different types of welding methods are used as per the shape and application of the product.



****Customised sizes can be fabricated**

● COATED FABRIC PROPERTIES

- 1.Ease of welding
- 2.Fungus Resistant
- 3.UV Resistant
- 4.Doesnt get brittle over time , ensuring prolonged life.
- 5.High Puncture Resistant
- 6.High Weld Strength

TORO

— TECHNICAL COATED FABRICS —

Polyvinyl Chloride **PVC**
Polyurethane **PU**
Acrylic **ACR**
COATED FABRIC



Beautiful, featherweight and durable design

Tensile membrane structure
Cover large area. No installation support required.



Bloc-Out membrane prevents light transmission and greatly reduces heat transfer.

Translucent membrane provides natural light

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