



# High-Point® Membrane



**HIGH-POINT** architectural fabrics deliver outstanding results against arctic temperatures, heat, humidity, UV rays, high winds, and environmental pollutants. Plastatech's **HIGH-POINT** fabrics are used to manufacture frame and air supported structures such as military shelters, temporary warehouses, storage domes, hangers, temporary shelters, agriculture storage liners, and garages.

**HIGH-POINT** products are available in 18 and 24-ounce opaque (blackout) or semi-translucent opacities.

**HIGH-POINT** products deliver:

- Extraordinary biaxial strength that offers greater flexibility for contoured structure designs.
- Exceptionally high thread count scrim that resists tear initiation and spreading, keeping your structure intact.
- Water-repellent scrim that obstructs the absorption of water into the fabric.
- Specially-coated yarns shield against mildew and unhealthy bacterial growth.

**HIGH-POINT** fabrics offer superior fire protection.

**HIGH-POINT** has successfully passed U.S. and international fire codes including:

- CSFM
- ASTM E84
- UBC 31-1
- Can-ULC-S 109-M87
- NFPA 701-2004 Test Method 1 and 2
- CAN/ULC-S102.2-03

# HIGH-POINT® 18

PVC-Coated/Laminate Polyester Reinforced Membrane

TYPICAL PROPERTY	TEST METHOD	STANDARD	METRIC
Base Fabric		Polyester	Polyester
Fabric Weight	ASTM D3776	5.0 oz/yd <sup>2</sup>	129 g/m <sup>2</sup>
Weave Style		Weft-inserted	Weft-inserted
UV Topcoat		Polyurethane	Polyurethane
<b>Finished Fabric</b> Weight Width	ASTM D751	19.5 oz/yd <sup>2</sup> 64.25 in.	645 g/m <sup>2</sup> 163 cm
Grab Tensile (MD/CMD)	ASTM D751	400/340 lb <sub>f</sub>	1779/1512 N
Strip Tensile (MD/CMD)	ASTM D751	240/210 lb <sub>f</sub> /in.	213/187 daN/5 cm
Trapezoid Tensile (MD/CMD)	ASTM D5587	85/85 lb <sub>f</sub>	377/377 N
Adhesion	ASTM D751	14 lb <sub>f</sub> /in.	5.4 daN/2.5 cm
Low Temperature	ASTM D2136	1/8" mandrel -40°F Pass	3 mm mandrel -40°C Pass
Hydrostatic Resistance	ASTM D751 Procedure A	600 psi	4.1 MPa
Burning Characteristics	CA 1237 SM WL	Pass	
	ASTM E 84	Pass	
	UBC31-1	Pass	
	Can/ULC-S 109-M87	Pass	
	Can/ULC-S 102.2-03	Pass	
	NFPA 701-2004 TM #1	Pass	
	NFPA 701-2004 TM #2	Pass	

# HIGH-POINT® 24

PVC-Coated/Laminate Polyester Reinforced Membrane

TYPICAL PROPERTY	TEST METHOD	STANDARD	METRIC
Base Fabric		Polyester	Polyester
Fabric Weight	ASTM D3776	5.0 oz/yd <sup>2</sup>	129 g/m <sup>2</sup>
Weave Style		Weft-inserted	Weft-inserted
UV Topcoat		Polyurethane	Polyurethane
<b>Finished Fabric</b> Weight Width	ASTM D751	24.5 oz/yd <sup>2</sup> 61 in.	831 g/m <sup>2</sup> 155 cm
Grab Tensile (MD/CMD)	ASTM D751	400/340 lb <sub>f</sub>	1780/1513 N
Strip Tensile (MD/CMD)	ASTM D751	270/230 lb <sub>f</sub> /in.	240/205 daN/5 cm
Trapezoid Tensile (MD/CMD)	ASTM D5587	90/85 lb <sub>f</sub>	399/377 N
Adhesion	ASTM D751	14 lb <sub>f</sub> /in.	5.4 daN/2.5 cm
Low Temperature	ASTM D2136	1/8" mandrel -40°F Pass	3 mm mandrel -40°C Pass
Hydrostatic Resistance	ASTM D751 Procedure A	550 psi	3.80 MPa
Burning Characteristics	CA 1237 SM WL	Pass	
	ASTM E 84	Pass	
	UBC31-1	Pass	
	Can/ULC-S 109-M87	Pass	
	NFPA 701-2004 TM #1	Pass	
	NFPA 701-2004 TM #2	Pass	



Where the future is now

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