

Snow Shields



We now offer three types of snow shield fabrics and coatings to meet any need and budget requirement.

The first is a polyester fabric that is coated in Kynar[®], an architectural material that has been used successfully to create outdoor structures since the 1940s.

The second is a polyester fabric that is coated in Tedlar[®], another architectural material in use since the 1980s that yields excellent results.

The third is a PTFE white fabric (pictured above) that is also PTFE coated, extending the product's life expectancy to over 20 years. Over 4,974 PTFE Gore-Tex Snow Shield Covers have been sold worldwide with no failures since 1996.

The two new fabrics can be used as passive or active covers, far surpass competitor snow shields, and are also cost-effective. The architectural fabric with either the Kynar[®] or the Tedlar[®] coating will provide years of reliable use without having to remove the cover during warm months.

Replacement costs for de-ice snow shield covers are low due to their extended life expectancy of 10 to 25 years. They also come with optional features such as heater inlet pockets or Ice Quake pockets. It is also possible to add an electric heater, gas heater, or Ice Quake System at the time of purchase, or at a later time without having to replace or remove the snow shield cover.

De-Ice Snow Shield Covers are an excellent solution to maintain low costs while still achieving the benefits of an exceptional product.

Specifications are subject to change without notice

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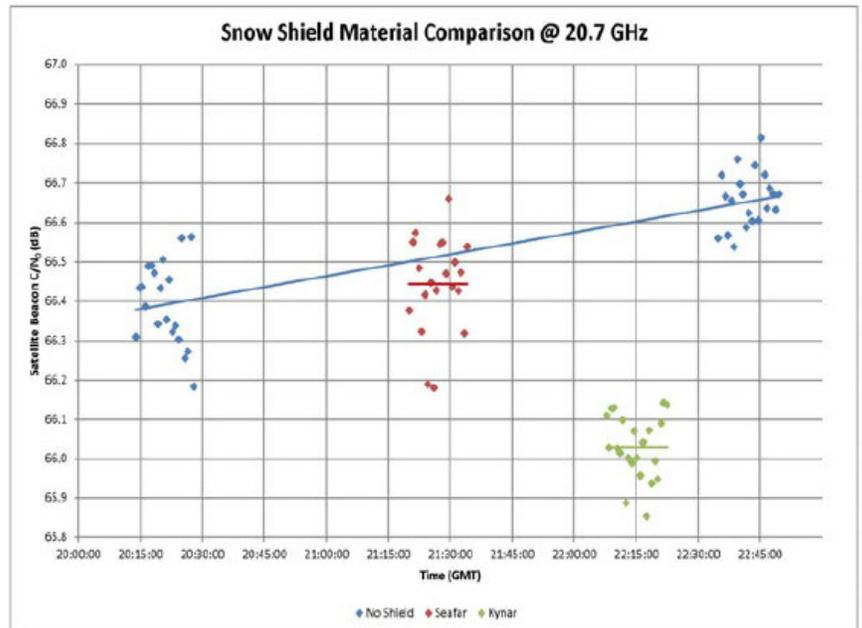
Compare Your Snow Shield Fabric Options

Architectural Kynar® Fabric	Architectural Tedlar® Fabric	PTFE Fabric/PTFE Coated
The most economical option	High-performance and cost effective	Unsurpassed performance
RF transparency close to PTFE at C/Ku Band	RF transparency close to PTFE at C/Ku Band	RF transparency superior at C/Ku/Ka Band
Fabric quality superior to competing cover options	Fabric quality superior to competing cover options	Fabric quality superior to other options on the market
Save 65% compared to our PTFE Snow Shield Covers	Save 50% compared to our PTFE Snow Shield Covers	Over two decades of field-proven performance in 1,000s of locations worldwide
Ability to add active electric/gas heated de-icing systems	Ability to add active electric/gas heated de-icing systems	Ability to add active electric/gas heated de-icing systems
Ability to add an Ice Quake de-icing system	Ability to add an Ice Quake de-icing system	Ability to add an Ice Quake de-icing system
Long useful performance life. You could replace 3 competitor's covers before this one wears out.	Long useful performance life. You could replace 4 competitor's covers before this one wears out.	Long useful performance life. You could replace 5 competitor's covers before this one wears out.

Architectural Kynar® Fabric Specifications Sheet

	Standard	Metric
Base Fabric Type	Polyester	Polyester
Base Fabric Weight (Nominal)	4.3 oz/yd ²	146 g/m ²
Finished Coated Weight ASTM D751	21 oz/yd ² +2/-1 oz/yd ²	712 g/m ² +70/-35 g/m ²
Trapezoidal Tear ASTM D4533	50/60 lbs.	223/267 N
Grab Tensile ASTM D751	375/350 lbs.	1669/1558 N
Strip Tensile ASTM D751 Procedure B	350/325 lbs./in.	307/285 daN/5 cm
Hydrostatic Resistance ASTM D751 Procedure A	500 psi	3.45 MPa
Dead Load ASTM D751	106 lbs. at Room Temperature 53 lbs. at 160° F	472 N at Room Temperature 236 N at 91° C
Low Temperature ASTM D2136	LTA: Pass at -67° F LTC: Pass at -40° F	Pass at -55° C Pass at -40° C
Flame Resistance Meets NFPA 701, ULC-S109, ASTM D6413 (2 second flameout) ASTM E84 - Flame spread index <25, Smoke development rating <450		

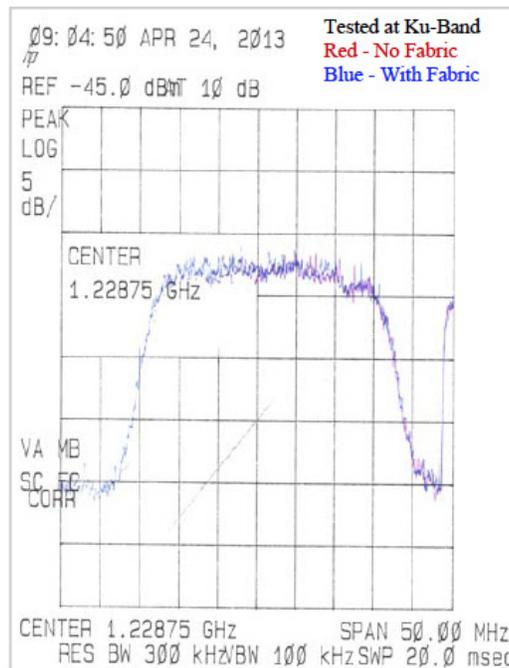
W.B. Walton Enterprises, Inc. (Walton De-Ice) is announcing a new fabric for use in making snow shield covers. “We are very excited with the results that we have seen so far in both C and Ku Band with the new fabric. Recently, the fabric was tested at Ka Band with impressive results. At 20.7 GHz, there was only a .4 dB drop in gain. The RF transparency is almost the same as the PTFE fabric that we have been using since coming out with the snow shield cover 18 years ago.” The quality of the fabric is far superior to any of our competitor’s fabrics and will be roughly a third of the price of the PTFE Snow Shield Cover. With the new fabric, we will still be able to offer it as a passive system or utilize both electric and gas heater de-icing systems along with the Ice Quake de-icing systems.



Architectural Tedlar® Fabric Specifications Sheet

	Standard	Metric
Base Fabric Type	Polyester	Polyester
Base Fabric Weight (Nominal)	5.0 oz/yd ²	170 g/m ²
Finished Coated Weight ASTM D751	24 oz/yd ² +2/-1 oz/yd ²	814 g/m ² +70/-35 g/m ²
Trapezoidal Tear ASTM D4533	800/65 lbs.	356/289 N
Grab Tensile ASTM D751	400/350 lbs.	1780/1558 N
Strip Tensile ASTM D751 Procedure B	300/240 lbs./in.	263/210 daN/5 cm
Hydrostatic Resistance ASTM D751 Procedure A	500 psi	3.45 MPa
Dead Load ASTM D751	120 lbs. at Room Temperature 60 lbs. at 160° F	472 N at Room Temperature 236 N at 91° C
Low Temperature ASTM D2136	LTC: Pass at -40° F LTA: Pass at -67° F	Pass at -40° C Pass at -55° C
Flame Resistance Meets NFPA 701, ULC-S109, ASTM D6413 (2 Second Flameout) ASTM E84 - Flame spread index <25, Smoke development rating <450		

W. B. Walton Enterprises, Inc. (Walton De-Ice) is announcing a new fabric for use in making snow shield covers. "We are very excited with the results that we have seen so far in both C and Ku Band with the new fabric. The mechanical characteristics and RF transparency are almost the same as the PTFE fabric that we have been using since coming out with the snow shield cover 18 years ago. The quality of the fabric is far superior to any of our competitor's fabrics and will be roughly half the price of the PTFE Snow Shield Cover. With the new fabric, we will still be able to offer it as a passive system or utilize both electric and gas heater de-icing systems along with the Ice Quake de-icing systems.



Architectural Kynar® Fabric Specifications Sheet

Sefar PTFE Fabric/PTFE Coated

- Chemical Consistent: 100% fluoropolymer
- Construction: Two layers composed of GORE-TEX® membrane (heavy duty) laminated to woven GORE-TEX® fiber fabric
- Weave Type: 2 x 2 basket weave
- Mullen Burst (typical) 5515.8 kN/m²/800PSI

ASTM D-3786

- Weight: (typical) 630 g per square meter
- Breaking Load: (typical) cross machine direction 53 kN/m/300lbs/inch, Machine direction 61:3 kN/350lbs/inch

ASTM D-1682

- Nominal Thickness: 0.38 mm
- Thread Count: Cross machine direction 35 cm⁻¹/90 inch⁻¹, machine direction 35 cm⁻¹/90 inch
- Air Permeability: 0

Strength Characteristics

- Mullen Burst Strength > 800 PSI, Breaking Load Strength > 350 PSI, Water Entry Pressure > 30 PSI

Mechanical Characteristics

- Lightweight (15 oz/sq yd), form fitting. Material will NOT tear or swell and is guaranteed to EXCEED 5 years of fabric life.

Chemical Characteristics

- Oil repellent, water repellent, UV resistant, Chemically inert, Resistant to acids, Bases, Solvents, Paints, Fungus, Corrosive Reagents, Grease, Oils, and Salt Spray (2000 hours), Non-fading per ASTM D 2244-89

Temperature Characteristics

- Range: -350° F to 550° F (-212° C to 288° C)
- Non Flammable per UL 94V-0

