

II. HIGH PERFORMANCE INDUSTRIAL FABRICS

Suntex continues to research, develop and manufacture high-performance industrial fabrics since it born. Nowadays, SUNTEX offers over 20 standard coatings, treatments, and laminates that can be applied to most of our high temperature fabrics to meet the performance requirements of your application. Select from coatings and laminates to boost resistance to vapor, weathering, oil, water, chemical attack, abrasion wear, flexural fatigue and UV radiation, or from treatments that improve handling and ease of fabrication. We can also combine coatings or apply advanced engineering and manufacturing to develop a custom solution for your application.

TABLE. MATERIALS PERFORMANCE

Coatings	Performance	Weather proof	Anti-abrasion	Water-proof	Oil/grease resistance	Temperature resistance	Chemical resistance	Costs
Aluminized E-glass fabric		➔	➔	⬇	➔	➔	➔	➔
Silicone coated fiberglass fabric		⬆	⬆	⬆	⬆	➔	➔	➔
Polyurethane coated fiberglass fabric		➔	⬆	➔		➔	➔	⬇
Neoprene coated fiberglass fabric		⬆	⬆	⬆	⬆	➔	➔	➔
PVC coated fiberglass fabric		➔	➔	⬆	➔	➔	➔	⬇
Weave-lock finished fiberglass fabric		⬇	➔	⬇	➔	➔	⬇	⬇
Calcium silicate treated fiberglass fabric		➔	⬆	⬇	➔	⬆	⬆	⬆
Graphite treated E-glass fabric		➔	⬆	⬇	➔	⬆	⬆	⬆
Vermiculite coated E-glass fabric		⬇	⬆	⬇	➔	⬆	➔	⬆
Vermiculite coated ceramic fabric		⬇	⬆	⬇	➔	⬆	➔	⬆
Fluorine rubber coated fiberglass fabric		⬆	⬆	⬆	⬆	➔	⬆	⬆
Rewettable treated fiberglass fabric		⬇	➔	⬇	➔	➔	➔	➔
Vermiculite coated Silica fabric		⬇	⬆	⬇	➔	⬆	➔	⬆

good ⬇ better ➔ excellent ⬆

SILICONE COATED FIBERGLASS FABRIC

Silicone coated fiberglass fabrics from Suntex offers good resistance to extreme temperatures, being able to operate normally from -50°C to +250°C. It also has excellent weatherproof, water repellent, good chemical resistance to acids and lye, good mechanical properties for make-up. Suntex provides one-sided/double-sided silicone coated fiberglass fabrics with many varieties of coating weight, colors and widths for difference applications.

MAIN APPLICATIONS:

- > Insulation jackets, mattress and pad.
- > Fabric ductwork connector.
- > Welding/fire blankets.
- > Fabric expansion joints
- > Fire doors & Fire curtains
- > Other fire control systems

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness		color	Coating
	(g/m ²)	(oz/yd ²)	(mm)	(inch)		
GF200T-SI220-1003	260	7.6	0.23	0.009	White	Double sides
GF430P-SI123-1008	510	15	0.40	0.0157	SilverGrey	Single side
GF430P-SI233-1015	560	16.5	0.42	0.0165	SilverGrey	Double sides
GF430P-SI244-1017	590	17	0.45	0.0177	Red	Double sides
GF660P-SI263-1033	960	28	0.72	0.0283	SilverGrey	Double sides
GF660P-SI165-1023	960	28	0.72	0.0283	Black	Single side
GF880-SI244-1026	1080	32	0.95	0.0374	Red	Double side
GF880P-SI253-1027	1120	33	1.0	0.039	SilverGrey	Double sides
TGF1000-SI204-1041	1800	53	1.7	0.0469	Red	Double sides





POLYURETHANE (PU) COATED FIBERGLASS FABRIC

Suntex provides specially formulated polyurethane polymer coated fiberglass fabrics which can withstand temperature up to 180°C for short bursts. It has very good abrasion resistance and good resistance to oils and solvents. Suntex provides one-sided/double-sided polyurethane coated fiberglass fabrics with many colors and widths. It has excellent fire resistance and good mechanical properties for make-up.

MAIN APPLICATIONS:

- > Fabric air distribution ducts.
- > Fire doors & Fire curtains.
- > Other fire and smoke control systems.
- > Fabric ductwork connector.
- > Welding/fire blankets.

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness		color	Coating
	(g/m ²)	(oz/yd ²)	(mm)	(inch)		
GF200P-PU214-2003	220	6.5	0.21	0.0082	Red	Double sides
GF430P-PU213-2005	460	13.5	0.40	0.015	SilverGrey	Double sides
GF430P-PU21B-2007	460	13.5	0.40	0.015	Grey/White	Double sides
GF660S-PU113-2040	790	23	0.70	0.027	Grey	Single side
GF660-PU223-2016	720	21	0.71	0.0275	SilverGrey	Double sides
TGF580-PU113-2019	620	18	0.75	0.0295	Grey	Single side
TGF1020-PU111-2025	1070	31.5	1.5	0.059	Green	Single side





NEOPRENE COATED FIBERGLASS FABRIC

Neoprene coated fiberglass fabric has good weather resistance, fire resistance properties. It's resistant to most chemicals, oils and grease.

MAIN APPLICATIONS:

- > Flexible ductwork connector.
- > Welding blankets
- > Other fire control systems

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness		color
	(g/m ²)	(oz/yd ²)	(mm)	(inch)	
GF200P-NE265-4001	500	15	0.35	0.0137	Black
GF430P-NE245-4002	600	18	0.45	0.0177	Black
GF400P-NE205-4003	900	26	0.90	0.0354	Black

Other specifications are available on request.





PTFE COATED FIBERGLASS FABRIC

PTFE coated fiberglass fabric is highly resistant to most industrial chemicals and can be used in applications to 300 °C. It also has excellent abrasion resistance, easy to clean, easy to be sewn and fabricated.

MAIN APPLICATIONS:

- > Thermal insulation jacket, mattress and pad.
- > Expansion joints and compensators.
- > Conveying belt.

SPECIFICATIONS:

Weight: 200 ~ 800 g/m²

Thickness: 0.1mm to 0.9mm





ALUMINUM FOIL/FILM LAMINATED FIBERGLASS FABRIC

The combination of laminating an aluminum metallic/film heat shield to a layer of protective fiberglass insulation protects personnel or equipments by reflecting radiant heat. Suntex uses the high temperature adhesive to ensure the maximum working temperature up to 150 °C.

MAIN APPLICATIONS:

- > Heat-retardant curtains or screens.
- > Thermal insulation covers, mattress and pads.
- > Welding/fire protection.
- > Safety cloth and apron.
- > Other fire and smoke control systems.

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness	
	(g/m ²)	(oz/yd ²)	(mm)	(inch)
GF200-AL114-6001	250	7.3	0.21	0.008
GF430-AL114-6002	470	13.8	0.42	0.016
GF580-AL122-6005	630	18.5	0.75	0.03
TGF1000-AL118-6007	1050	31	1.5	0.059

Other specifications are available on requests.





WEAVE-LOCK FINISHED FIBERGLASS FABRIC

The weave-lock treatment stiffens the fabric slightly to reduce the amount of fraying during fabrication. The weave-lock finished fiberglass fabric enables the user to cut, sew and punch holes more effectively.

MAIN APPLICATIONS:

- > Hull board.
- > Welding blankets
- > Fire doors/Fire curtains
- > Other fire control systems.

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness		color
	(g/m ²)	(oz/yd ²)	(mm)	(inch)	
GF200P-WS215-3001	210	6.1	0.20	0.0078	Black
GF430-WS210-3003	440	13	0.40	0.0157	Off-white
GF400-WS224-2036	510	15	0.40	0.0157	Red
GF600-WS211-3004	610	18	0.6	0.023	Green
GF800-WS212-3006	810	24	0.75	0.0295	Blue
TGF815-WS226-3009	960	28	1.15	0.0338	Yellow





OTHER COATED INDUSTRIAL FABRICS AVAILABLE



One side silicone Coating,
the other side PU Coating.



Carbonized fabric

- Rewettable fiberglass fabric
- EPDM rubber coated fiberglass fabric
- Fluoride rubber coated fiberglass fabric
- Hypalon coated fiberglass fabric
- PVC coated fiberglass fabric
- PVC coated polyester fabric
- Carbonized fabric
- Aluminized aramid fabric