

# FR Fabric (FRU-88X-6)

## Strength & Durability

FR Fabric is a heavyweight fabric with 4 mil coatings, used for applications requiring flame retardancy and ultraviolet stability. The scrim, which is the woven part of the material, is constructed of individual tapes. The unique composition of the tapes and how they are woven together gives FR Fabric its tremendous rip, tear and puncture strength. The specialized 4 mil coatings provide a more uniform and thicker protection layer for the scrim, increasing ultraviolet protection. The thicker coatings are more resistant to abrasion damage during both fabrication and installation of the cover. FR Fabric covers come with a 10-year pro rata warranty.

## Safe & Environmentally Friendly

No toxic chemicals are used in the production of FR Fabric. All scraps and used covers are 100 percent recyclable.

## Bright Atmosphere

FR Fabric covers provide an exceptionally bright and pleasant interior atmosphere. Natural light penetrates the fabric while the unique composition of the tapes ensures it remains pliable and resistant to ultraviolet damage. The FR Fabric reduces the conduction of heat and cold, ensuring a building that is warmer in the winter and cooler in the summer. The fabric is available in a variety of attractive colors, all featuring a bright white underside that further enhances the interior brightness.

## FR Specifications

Weave:	16 x 16 ppi woven flame retardant HDPE scrim	
Coating Thickness:	4.0 mils average each side (94 g/m <sup>2</sup> )	
Coating Composition:	Modified LDPE coating with UV protection	
Weight:	12.5 oz/yd <sup>2</sup> (373 g/m <sup>2</sup> ) +/- 5%	
Thickness:	23 mils (0.635mm)	ASTM D5199
Hydrostatic Resistance Method:	171 psi (1180 kPa)	ASTM D751A
Grab Tensile:	Warp: 340 lbs. (1511 N)	ASTM D5034
	Weft: 340 lbs. (1511 N)	ASTM D5034
Strip Tensile:	Warp: 250 lbs. (1112 N)	ASTM D5035
	Weft: 250 lbs. (1112 N)	ASTM D5035
Tongue Tear:	Warp: 115 lbs. (511 N)	ASTM D2261
	Weft: 115 lbs. (511 N)	ASTM D2261
Mullen Burst:	675 psi (4658 kPa)	ASTM D3786
Cold Crack:	Minus 60o C	ASTM D2136

## FR Fire Ratings

Test / Standard	Flame Spread	Smoke Developed	Char Length	Drip
NFPA - Large	----	----	5	No
NFPA - Small	----	----	4.5	No
ASTM E-84	FS 10	SD58	6.5	----
CAN/ULC S109-M87	FS 5	SD170	----	No
CAN/ULC S102-M88	FS 15	SD125	6.5	----
UBC 31-1	----	----	8.7	No

- Meets flame resistance established by California State Fire Marshall.
- the above fire retardant tests and ratings are based on surface spread of flame and smoke production during burning.

## FR FABRIC

Patented double stack weave provides unmatched strength to weight ratios.



All FR covers feature a bright white underside that allows for maximum interior light.

## FR Colors



Colors may not be exactly as shown here. Contact your local BRITESPAN Dealer for actual fabric samples.

**BRITESPAN**  
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