

AS Standards

	Dualshade 350	Dualshade 350 FR
<b>Performance</b>		
Maximum force	warp 960 N/50mm	790 N/50mm
Elongation at max. force	warp 117%	99%
Maximum force	weft 1100 N/50mm	1200 N/50mm
Elongation at max. force	weft 70.5%	72%
Breaking force	warp 1500 N	1200 N
Breaking force	weft 1300 N	1300 N
Tear strength	warp 327 N	238 N
Tear strength	weft 245 N	180 N
Bursting Pressure	3500 kPa	3300 kPa
Bursting force	1959 N	1915 N
<b>Fabric Properties</b>		
Nominal Fabric Mass	350 gsm ± 20	350 gsm ± 20
<b>Roll Specification</b>		
Width	3.0m (folded)	3.0m (folded)
Length	40m	40m
<b>Flammability Info</b>	Flammability Index - 38 Ingnitability Index - 14 Spread of Flame Index - 8 Heat Evolved Index - 3 Smoke Developed Index - 4	Flammability Index - 1

ASTM Standards

	Dualshade 350	Dualshade 350 FR
<b>Performance</b>		
Maximum force	warp 265 lbf	196 lbf
Elongation at max. force	warp 79%	79%
Maximum force	weft 321 lbf	286 lbf
Elongation at max. force	weft 62%	71%
Breaking force	warp 64.4 lbf	61.4 lbf
Breaking force	weft 49.2 lbf	47.3 lbf
Tear strength	461 lbf	383 lbf
<b>Fabric Properties</b>		
Nominal Fabric Mass	350 gsm ± 20	350 gsm ± 20
<b>Roll Specification</b>		
Width	9 ft. 10 in. (folded)	9 ft. 10 in. (folded)
Length	131 ft. 3 in.	131 ft. 3 in.
<b>Flammability Info</b>	ASTM E84 18B Class A	CSFM Title 19 1237.1 NFPA 701 Test Methods 1&2 ASTM E84 19B Class A



\*The results listed in this brochure are typical averages from independent testing and quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between GALE Pacific and another party. Due to continuous product improvement, refer to the GALE Pacific Commercial Fabrics website for latest technical performance information.

\* Please note, due to limitations of the printing process, colors pictured may not represent the true color.

<sup>1</sup> Applicable to non-FR fabric only



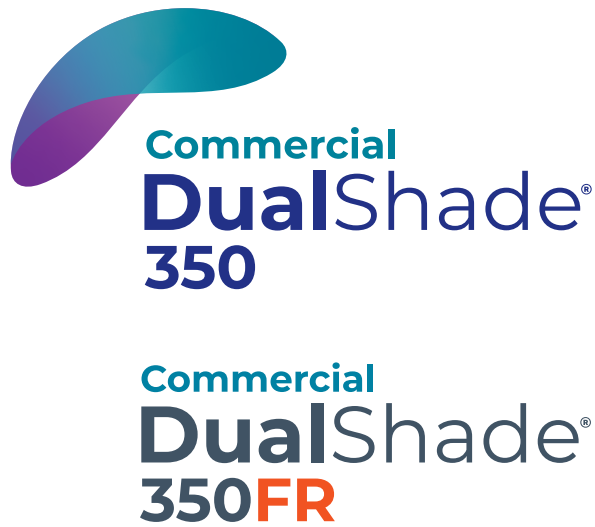
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Where  
performance  
and function  
meet design.



Architectural  
SHADE FABRIC

Sports Complexes  
Office Buildings  
Playgrounds  
Schools  
Parks





The beautiful palette of color combinations will enhance the design of any outdoor space.

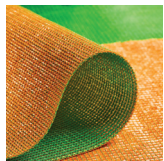
BRILLIANT  
COLLECTION

The fabric colors within this collection are rich and luminous combinations that demand to be noticed.

These fabrics glimmer in the sun's rays like a precious gemstone. Illuminate any outdoor space with a fabric from this collection.



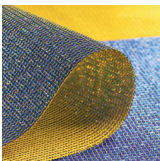
Citrus



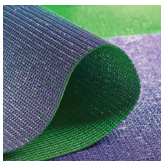
Citrus  
491147  
495992



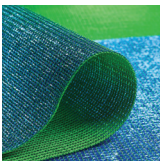
Sunburst  
492694  
496067



Macaw  
491154  
496029



Chameleon  
491116  
495985



Topaz  
492717  
496074

TERRAFIRMA  
COLLECTION

The beauty and calmness of nature combine to form fabric colors that take you from lush rainforests to vast desert landscapes.

Experience the beauty of the land at its finest when choosing a fabric from this collection for your design.



Savanna



Amazonia  
491123  
495961



Savanna  
492724  
496050



Cobblestone  
491178  
496005



Gold Rush  
491161  
496012

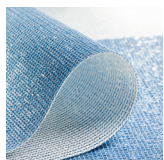
DESTINATION  
COLLECTION

Elegant and clean hues combine to form fabrics that are reminiscent of some of the world's most desired destinations.

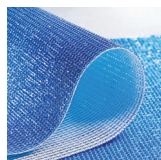
Inspired by the most alluring locations around the world, the fabric colors in this collection will transform any outdoor space into a beautiful oasis.



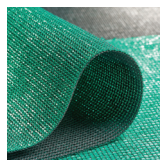
Maldives



Capri  
491185  
495978



Santorini  
492700  
496043



Maldives  
491130  
496036

Commercial  
**DualShade<sup>®</sup>**  
**350FR**

Commercial  
**DualShade 350 FR**  
is a revolutionary  
architectural shade  
fabric designed and  
manufactured by  
**GALE Pacific.**

This fabric is truly unique in both its aesthetic and performance. Two different color yarns are combined to create a single fabric that produces a truly transformative effect.

Meets the most stringent Fire Standards for shade fabrics, including CSFM 1237.1 & NFPA 701 across all color variants providing premium biaxial stability, and tensile properties, for minimal maintenance, and improved fabric life.



Visit [Dualshade350.com](https://Dualshade350.com) to see our transformative color combinations come to life!

Dimensionally stable fabric reduces retensioning frequency and associated maintenance costs, resulting in longer fabric life and improved performance

Maximum durability achieved through use of high quality, UV stabilized monofilament and tape yarns joined by a lock-stitch knit pattern

Patent pending dual color knit pattern creates a high performing fabric with a unique aesthetic

Superior long-term performance achieved through an even distribution of force across the tensioned fabric

Ideal for human sun protection offering up to 94% UV Block





Performance and function meet design with DualShade 350, a revolutionary architectural shade fabric designed and manufactured by GALE Pacific. A unique aesthetic is achieved when two different color yarns are combined to create a single layer fabric that produces an iridescent, shimmery effect in the sunlight.

- Patent Pending dual-color knit pattern produces a unique iridescent and transforming color effect
- Tape/monofilament construction of strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Patented intertwining knit pattern results in a dimensionally stable fabric reducing re-tensioning frequency and associated maintenance costs
- Three unique collections provide a versatile palette of 12 dramatic color combinations will enhance the design of any common area or outdoor space
- Backed by a full 10-year warranty against UV degradation and designed to withstand extreme weather conditions across the globe.
- 100% Lead and Phthalate free

## FABRIC PROPERTIES

AS 2001.2.13

Mass per unit

Nominal fabric mass

350 gsm ± 20; 10.3 oz./yd<sup>2</sup>

Approximate thickness

0.07 in. / 1.8 mm

## ROLL SPECIFICATIONS

Nominal width:

9 ft. 10 in. / 3.0m (folded)

Length:

131 ft 3 in. / 40m

Approx. roll weight:

99.2 lbs / 45 kg

Approx. roll diameter:

1.3 ft. / 0.40 m

Core diameter:

1.97 in. / 50 mm

## USAGE INSTRUCTIONS

Do not use against flames. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty. Biaxial elastic material properties available on request.

## SUGGESTED SPECIFICATION

Shade cloth fabric shall be compliant to Australian standard AS 4174 and shall be GALE Pacific Commercial DualShade 350 knitted HDPE monofilament & tape shade fabric offering a UV block over 90%.

## FLAMMABILITY

ASTM E84 19B Class A

## PERFORMANCE

### ASTM D5034

#### Tensile Strength and Elongation

Maximum Force – Warp (Mean)

265 lbf

Elongation at Maximum Force – Warp (Mean)

79 %

Maximum Force – Weft (Mean)

321 lbf

Elongation at Maximum Force (Mean)

62 %

### ASTM D2261

#### Tearing Strength – Tongue (Single Rip)

Mean Force – Warp

64.4 lbf

Mean Force – Weft

49.2 lbf

### ASTM D6797

#### Bursting Strength – Ball Burst (Constant Rate of Extension)

Mean Force

461 lbf

### AS 4174:2018

#### Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Amazonia	92	91.1	8.9	7.6	92.4	91	Very Effective
Capri	92	83.9	16.1	7.9	92.1	91	Very Effective
Chameleon	90	86.4	13.6	9.7	90.3	91	Very Effective
Citrus	91	87.0	13.0	8.1	91.9	91	Very Effective
Cobblestone	93	90.3	9.7	6.4	93.6	93	Very Effective
Gold Rush	91	88.3	11.7	8.5	91.5	90	Effective
Macaw	92	83.3	16.7	9.3	90.7	90	Effective
Maldives	91	88.4	11.6	9.1	90.9	90	Effective
Santorini	93	83.3	16.7	7.8	92.2	92	Very Effective
Savanna	92	80.1	19.9	7.7	92.3	91	Very Effective
Sunburst	91	75.2	24.8	9.4	90.6	91	Very Effective
Topaz	92	85.8	14.2	9.4	90.6	90	Effective

All test data available upon request



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- Patent Pending dual-color knit pattern produces a unique iridescent and transforming color effect
- Tape/monofilament construction strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Patented intertwining knit pattern results in a dimensionally stable fabric reducing re-tensioning frequency and associated maintenance costs
- Three unique collections provide a versatile palette of 12 dramatic color combinations will enhance the design of any common area or outdoor space
- Each color individually tested and meets the most stringent FR certification criteria
- Backed by a full 10-year warranty against UV degradation and designed to withstand extreme weather conditions across the globe.
- 100% Lead and Phthalate free

## FLAMMABILITY

CSFM Title 19 1237.1

NFPA 701 Test Methods 1 & 2

ASTM E84 19B Class A

*Each color individually tested and passes all certification criteria for above. Test results available upon request.*  
**NFP92-503 Class M1 in process**

## FABRIC PROPERTIES

AS 2001.2.13 Mass per unit

Nominal fabric mass 350 gsm ± 20; 10.3 oz./yd<sup>2</sup>

Approximate thickness 0.07 in. / 1.8 mm

## ROLL SPECIFICATIONS

Nominal width: 9 ft. 10 in. / 3.0m (folded)

Length: 131 ft 3 in. / 40m

Approx. roll weight: 99.2 lbs / 45 kg

Approx. roll diameter: 1.3 ft. / 0.40 m

Core diameter: 1.97 in. / 50 mm

## USAGE INSTRUCTIONS

Do not use against flames. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty. Biaxial elastic material properties available on request.

## SUGGESTED SPECIFICATION

Shade cloth fabric shall be compliant to Australian standard AS 4174 and shall be GALE Pacific Commercial DualShade 350 knitted HDPE monofilament & tape shade fabric offering a UV block over 90%.

Performance and function meet design with DualShade 350 FR, a revolutionary, fire-rated architectural shade fabric designed and manufactured by GALE Pacific. A unique aesthetic is achieved when two different color yarns are combined to create a single layer fabric that produces an iridescent, shimmery effect in the sunlight.

## PERFORMANCE

### ASTM D5034

#### Tensile Strength and Elongation

Maximum Force – Warp (Mean)	196 lbf
Elongation at Maximum Force – Warp (Mean)	79 %
Maximum Force – Weft (Mean)	286 lbf
Elongation at Maximum Force (Mean)	71 %

### ASTM D2261

#### Tearing Strength – Tongue (Single Rip)

Mean Force – Warp	61.4 lbf
Mean Force – Weft	47.3 lbf

### ASTM D6797

#### Bursting Strength – Ball Burst (Constant Rate of Extension)

Mean Force	383 lbf
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### AS 4174:2018

#### Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
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Citrus	93	88.1	11.9	6.8	93.2	92	Very Effective
Cobblestone	93	90.3	9.7	7.0	93.0	92	Very Effective
Gold Rush	91	88.0	12.0	8.5	91.5	91	Very Effective
Macaw	92	84.7	15.3	8.4	91.6	91	Very Effective
Maldives	92	89.7	10.3	7.3	92.7	92	Very Effective
Santorini	93	83.4	16.6	7.7	92.3	92	Very Effective
Savanna	92	81.1	18.9	7.4	92.6	92	Very Effective
Sunburst	90	76.4	23.6	9.9	90.1	90	Effective
Topaz	93	87.5	12.5	7.8	92.2	92	Very Effective

*All test data available upon request*



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