



Commercial 95® is a high-quality knitted shade fabric designed for tension structures, awnings and shade covers specifically for commercial architectural applications; supplied in bulk rolls.

- Trusted name in Commercial knitted fabric with over 25 years of market usage in the world's harshest conditions
- Manufactured with 100% virgin grade polymers ensuring fabric consistency and performance
- Strong HDPE results in a fabric that is recyclable and won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage once installed and for ease of fabrication.
- Full 15-year UV degradation warranty on fabric.
- 100% Lead, Phthalate and PFAS free
- Greenguard® and Oeko-Tex® certified

FABRIC PROPERTIES

(AS 2001.2.13) mass per unit
Nominal fabric mass 10 oz / yd² , 340 gsm ± 20
Approximate thickness 0.6 in. / 1.6 mm

ROLL SPECIFICATIONS

Nominal width: 9 ft. 10in. / 3.0m (folded)
Length: 131 ft. 3 in. / 40m
Approx. roll weight: 97 lbs. / 44 kg
Approx. roll diameter: 1.05 ft / 0.32 m
Core diameter: 1.38 in. / 35 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 4174:2018 and shall be GALE Pacific Commercial 95 Knitted HDPE monofilament & tape shade fabric offering a UVE Protection Category of up to "Most Effective".

FLAMMABILITY

ASTM E84 19B Class A

PERFORMANCE

ASTM D5034

Tensile Strength and Elongation Maximum
Force – Warp (Mean) 189.1 lbf
Elongation at Maximum Force – Warp (Mean) 103.67 %
Maximum Force – Weft (Mean) 462.3 lbf
Elongation at Maximum Force (Mean) 63%

ASTM D2261

Tearing Strength – Tongue (Single Rip)
Mean Force – Warp 52.2 lbf
Mean Force – Weft 52.2 lbf

ASTM D6797

Bursting Strength – Ball Burst (Constant Rate of Extension)
Mean Force 422 lbf

(AS 4174:2018) Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquamarine	95	89.5	10.5	4.9	95.1	95	Most Effective
Aquatic Blue	92	85.6	14.4	8.9	91.1	91	Very Effective
Black	94	94.6	5.4	5.2	94.8	93	Very Effective
Blue Bird	95	91.2	8.8	4.7	95.3	95	Most Effective
Bright Green	92	88.6	11.4	7.5	92.5	91	Very Effective
Brunswick Green	94	93.8	6.2	5.3	94.7	93	Very Effective
Charcoal	93	93.1	6.9	6.6	93.4	91	Very Effective
Cherry Red	91	78.4	21.6	8.8	91.2	91	Very Effective
Deep Ochre	94	92.8	7.2	5.4	94.6	93	Very Effective
Driftwood	95	90.0	10.0	5.1	94.9	94	Very Effective
Desert Sand	94	86.1	13.9	6.2	93.8	93	Very Effective
Gun Metal	93	91.4	8.6	6.8	93.2	92	Very Effective
Natural	93	76.2	23.8	6.9	93.1	92	Very Effective
Navy Blue	94	93.6	6.4	5.6	94.4	93	Very Effective
Orange	93	80.6	19.4	6.0	94.0	93	Very Effective
Rivergum Green	93	88.7	11.3	7.1	92.9	92	Very Effective
Sky Blue	92	89.0	11.0	7.8	92.2	91	Very Effective
Steel Grey	94	90.9	9.1	5.7	94.3	93	Very Effective
Stone	94	89.3	10.7	5.7	94.3	94	Very Effective
Turquoise	92	86.0	14.0	8.5	91.5	91	Very Effective
White	93	73.9	26.1	7.1	92.9	92	Very Effective
Yellow	95	77.6	22.4	4.5	95.5	94	Very Effective



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The above results are typical averages from 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 product specifications are subject to alteration without notice. As the use and disposal of this product are beyond GALE Pacific's control, regardless of any assistance provided without charge, GALE Pacific assumes no obligation or liability for the suitability of its products in any specific end use application. It is the customer's responsibility to determine whether GALE Pacific's products are appropriate for the specific application and complies with any legal & patent regulations.



Commercial 95® is a high-quality knitted shade fabric designed for tension structures, awnings and shade covers specifically for commercial architectural applications; supplied in bulk rolls.

PERFORMANCE

ASTM D5034

Tensile Strength and Elongation Maximum	
Force – Warp (Mean)	158.6 lbf
Elongation at Maximum Force – Warp (Mean)	89 %
Maximum Force – Weft (Mean)	412.3 lbf
Elongation at Maximum Force (Mean)	49%

ASTM D2261

Tearing Strength – Tongue (Single Rip)	
Mean Force – Warp	39.6 lbf
Mean Force – Weft	43.0 lbf

ASTM D6797

Bursting Strength – Ball Burst (Constant Rate of Extension)	
Mean Force	408 lbf

(AS 4174:2018) Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquamarine	93	87.3	12.7	6.7	93.3	92	Very Effective
Aquatic Blue	92	88.1	11.9	8.5	91.5	91	Very Effective
Black	95	94.8	5.2	5.0	95.0	94	Very Effective
Blue Bird	94	90.4	9.6	5.8	94.2	93	Very Effective
Bright Green	90	87.3	12.7	9.0	91.0	90	Effective
Brunswick Green	93	92.9	7.1	6.4	93.6	92	Very Effective
Charcoal	93	93.6	6.4	6.1	93.9	92	Very Effective
Cherry Red	90	80.0	20.0	10.0	90.0	90	Effective
Deep Ochre	91	90.5	9.5	8.3	91.7	90	Effective
Driftwood	95	89.0	11.0	5.4	94.6	94	Very Effective
Desert Sand	93	86.1	13.9	6.6	93.4	92	Very Effective
Gun Metal	96	94.5	5.5	3.5	96.5	96	Most Effective
Natural	94	78.3	21.7	6.5	93.5	92	Very Effective
Navy Blue	94	93.1	6.9	6.2	93.8	93	Very Effective
Orange	92	80.8	19.2	7.6	92.4	91	Very Effective
Rivergum Green	94	89.7	10.3	6.0	94.0	93	Very Effective
Sky Blue	94	91.3	8.7	6.0	94.0	93	Very Effective
Steel Grey	92	89.7	10.3	7.6	92.4	91	Very Effective
Stone	92	80.3	19.7	8.1	91.9	91	Very Effective
Turquoise	94	89.5	10.5	6.6	93.4	93	Very Effective
White	95	76.5	23.5	5.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective

- Trusted name in Commercial knitted fabric with over 25 years of market usage in the world’s harshest conditions
- Manufactured with 100% virgin grade polymers ensuring fabric consistency and performance
- Strong HDPE results in a fabric that is recyclable and won’t rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage once installed and for ease of fabrication.
- Full 15-year UV degradation warranty on fabric.
- 100% Lead, Phthalate and PFAS free
- Greenguard® and Oeko-Tex® certified

FABRIC PROPERTIES

(AS 2001.2.13) mass per unit
Nominal fabric mass 10 oz / yd² , 340 gsm ± 20
Approximate thickness 0.6 in. / 1.6 mm

ROLL SPECIFICATIONS

Nominal width: 9 ft. 10in. / 3.0m (folded)
Length: 131 ft. 3 in. / 40m
Approx. roll weight: 97 lbs. / 44 kg
Approx. roll diameter: 1.05 ft / 0.32 m
Core diameter: 1.38 in. / 35 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 4174:2018 and shall be GALE Pacific Commercial 95 Knitted HDPE monofilament & tape shade fabric offering a UVE Protection Category of up to “Most Effective”.

FLAMMABILITY

CSFM Title 19 1237.1
NFPA 701 Test Methods 1 & 2
ASTM E84 19B

Each color individually tested and passes all certification criteria for above. Test results available upon request.



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Commercial Heavy 430 is a high quality knitted shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications; supplied in bulk rolls.

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- 15-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard® and Oeko-Tex® certified
- Engineered in Australia to meet the harsh climate

FABRIC PROPERTIES

AS 2001.2.13 Mass per unit

Nominal fabric mass 12.7 oz./yd²; 430 gsm ± 20;
Approximate thickness 0.06in. / 1.6 mm

ROLL SPECIFICATIONS

Nominal width: 9 ft. 10 in. / 3.0m (unfolded)
Length: 131 ft. 3 in. / 40m
Approx. roll weight: 119 lbs / 54 kg
Approx. roll diameter: 1 ft. / 0.30 m
Core diameter: 3 in. / 76 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 4174:2018 and shall be GALE Commercial Heavy 430 knitted with HDPE monofilament offering a UVE Protection Category of "Effective".

FLAMMABILITY

ASTM E84 19B Class A

PERFORMANCE

ASTM D5034

Tensile Strength and Elongation

Maximum Force – Warp (Mean)	370 lbf
Elongation at Maximum Force – Warp (Mean)	88 %
Maximum Force – Weft (Mean)	412 lbf
Elongation at Maximum Force (Mean)	128 %

ASTM D2261

Tearing Strength – Tongue (Single Rip)

Mean Force – Warp	63.6 lbf
Mean Force – Weft	54.0 lbf

ASTM D6797

Bursting Strength – Ball Burst (Constant Rate of Extension)

Mean Force	416 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
Aquatic Blue	87	85.5	14.5	12.7	87.3	87	Effective
Black	86	86.4	13.6	13.6	86.4	86	Effective
Bright Green	86	85.2	14.8	13.2	86.8	86	Effective
Brunswick Green	86	86.7	13.3	13.2	86.8	86	Effective
Charcoal	87	87.5	12.5	12.4	87.6	87	Effective
Deep Ochre	87	87.0	13.0	12.7	87.3	86	Effective
Desert Sand	85	79.0	21.0	14.1	85.9	85	Effective
Emerald	86	84.7	15.3	13.3	86.7	86	Effective
Natural	88	73.9	26.1	12.1	87.9	87	Effective
Navy Blue	87	86.8	13.2	12.5	87.5	87	Effective
Orange	86	75.9	24.1	13.2	86.8	86	Effective
Red	87	76.0	24.0	12.6	87.4	87	Effective
Royal Purple	86	85.0	15.0	13.5	86.5	86	Effective
Steel Grey	86	85.5	14.5	13.5	86.5	86	Effective
White	86	69.0	31.0	13.4	86.6	86	Effective
Yellow	86	70.3	29.7	13.9	86.1	85	Effective



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Commercial Heavy 430FR is a high quality knitted flame retardant shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications; supplied in bulk rolls.

PERFORMANCE

ASTM D5034

Tensile Strength and Elongation

Maximum Force – Warp (Mean)	282 lbf
Elongation at Maximum Force – Warp (Mean)	56 %
Maximum Force – Weft (Mean)	362 lbf
Elongation at Maximum Force (Mean)	106 %

ASTM D2261

Tearing Strength – Tongue (Single Rip)

Mean Force – Warp	55.8 lbf
Mean Force – Weft	48.7 lbf

ASTM D6797

Bursting Strength – Ball Burst (Constant Rate of Extension)

Mean Force	376 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
Aquatic Blue	86	85.7	14.3	14.1	85.9	85	Effective
Black	87	87.5	12.5	12.5	87.5	87	Effective
Bright Green	85	84.1	15.9	14.6	85.4	84	Effective
Brunswick Green	84	84.5	15.5	15.5	84.5	84	Effective
Charcoal	86	86.8	13.2	13.1	86.9	86	Effective
Deep Ochre	87	87.0	13.0	12.9	87.1	86	Effective
Desert Sand	85	79.8	20.2	14.7	85.3	84	Effective
Emerald	86	86.2	13.8	13.5	86.5	86	Effective
Natural	87	75.9	24.1	12.7	87.3	87	Effective
Navy Blue	87	87.4	12.6	12.5	87.5	87	Effective
Orange	85	75.5	24.5	14.8	85.2	84	Effective
Red	86	75.5	24.5	13.8	86.2	86	Effective
Royal Purple	87	86.8	13.2	12.5	87.5	87	Effective
Steel Grey	86	85.9	14.1	13.3	86.7	86	Effective
White	86	71.5	28.5	13.8	86.2	86	Effective
Yellow	86	74.1	25.9	13.3	86.7	86	Effective

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- Certified to California State Fire Marshall CSFM 1237.1 and complies with NFPA701 across all colour variants.
- 12-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Engineered in Australia to meet the harsh climate

FABRIC PROPERTIES

(AS 2001.2.13) mass per unit

Nominal fabric mass	12.7 oz./yd ² ; 430 gsm ± 20;
Approximate thickness	0.06in. / 1.6 mm

ROLL SPECIFICATIONS

Nominal width:	9 ft. 10 in. / 3.0m (unfolded)
Length:	131 ft. 3 in. / 40m
Approx. roll weight:	119 lbs / 54 kg
Approx. roll diameter:	1 ft. / 0.30 m
Core diameter:	3 in. / 76 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 4174:2018 and shall be GALE Commercial Heavy 430 FR knitted with HDPE monofilament offering a UVE Protection Category of "Effective".

FLAMMABILITY

CSFM Title 19 1237.1
NFPA 701 Test Methods 1 & 2
ASTM E84 19B Class A
NFP92-503 Class M1 in process

Each color individually tested and passes all certification criteria for above. Test results available upon request.



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Commercial DualShade® 350 is a revolutionary high quality knitted shade fabric, where performance and function meet design. Designed for tension structures, awnings and shade covers specifically for commercial architectural applications; supplied in bulk rolls.

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
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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
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

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentured to reduce shrinkage and curl for ease of fabrication.
- 15-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard® and Oeko-Tex® certified

FABRIC PROPERTIES

AS 2001.2.13 Mass per unit

Nominal fabric mass	10.3 oz./y ² ; 350 gsm ± 20
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



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Commercial DualShade 350FR is a high-quality knitted shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications where FR properties are required; supplied in bulk rolls.

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
Amazonia	93	91.8	8.2	6.8	93.2	92	Very Effective
Capri	92	84.1	15.9	8.0	92.0	91	Very Effective
Chameleon	91	87.1	12.9	8.9	91.1	91	Very Effective
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

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- Certified to California State Fire Marshall CSFM 1237.1 and complies with NFPA701 across all colour variants.
- 12 year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Engineered in Australia to meet the harsh climate

FABRIC PROPERTIES

AS 2001.2.13 Mass per unit

Nominal fabric mass	10.3 oz./y ² ; 350 gsm ± 20
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 350FR knitted HDPE monofilament & tape shade fabric offering a UV block over 90%.

FLAMMABILITY

- CSFM Title 19 1237.1
- NFPA 701 Test Methods 1 & 2
- ASTM E84 19B Class A
- NFP92-503 Class M1 in process

Each color individually tested and passes all certification criteria for above. Test results available upon request.



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