

MONOTEC 370

SHADE FABRIC

THE STRONGEST
SHADE FABRIC ON
THE MARKET

Pacific
Shade Sails

FABRIC SPECIFICATIONS

MONOTEC **370**

Shade Factor % (SF depends on colour - see below for details)	70.9 - 88.4
UVR Block %	84.1 - 88.5
Av PAR Transmittance	70.9 - 88.4
Roll Width	6.5m & 3.25m
The strongest shade mesh on the market	



SF=83.2 %



SF=70.9%



SF=72.5 %



SF=87.0%



SF=82.6 %



SF=83.1 %



SF=86.9 %



SF=86.1 %



SF=88.4 %



SF=84.3 %



SF=79.4%



SF=83.6 %



SF=84.7 %



SF=74.7 %



SF=82.8 %

Colors in Red boxes are
NOT
CA FR approved

FEATURES



Introducing the strongest shade mesh on the market! Monotec 370 has been specifically developed for ultimate sun protection and longevity. This means your shade structure maintains its usefulness and remains looking great for years longer than those made with other fabrics. Also, as the widest shade cloth available, your Monotec 370 sail or structure is more aesthetically pleasing due to the reduction of unattractive seams.

Developed in Australia, Monotec 370 is 100% Australian owned and made. Manufactured using only the highest quality raw materials, you can be assured that the fabric is engineered to outlast other products. Monotec 370 can be used in virtually any situation where high UV protection is required. When you need top tier sun protection, look no further than Monotec 370.

- ✓ Premium grade fabric – the strongest shade mesh available
- ✓ Ideal for larger sails and structures
- ✓ Up to 90% shade offered
- ✓ 15 year warranty – best in the industry!
- ✓ Stain, dirt and grime resistant
- ✓ Extra wide fabric (6.5m) so seams in sails are kept to a minimum
- ✓ Available in 15 designer colours
- ✓ Eco-friendly - 100% recyclable

MONOTEC 370 Series is supported by a 15 Year Under Tension Warranty.



ENGINEERING SPECIFICATIONS



Breaking Force Warp (AS2002.3.1-2001)	1433N/50mm
Breaking Force Weft (AS2002.3.1-2001)	2210N/50mm
Elongation at Break Warp	97.9%
Elongation at Break Weft	73.5%
Bursting Pressure (AS 2001.2.4-16990)	4750kPa
Bursting Force (AS 2001.2.19-1988 Mean)	3011N

MONOTEC 370 FR

SHADE FABRIC

All Colors are CA FR Approved

STRONGEST FR
SHADECLOTH ON
THE MARKET

Pacific
Shade Sails

FABRIC SPECIFICATIONS

MONOTEC 370 FR

Shade Factor % (SF depends on colour - see below for details)	70.9 - 88.4
UVR Block %	84.7 - 88.5
Av PAR Transmittance	1.7 - 29.5
Roll Width	3.25m
FRAS1530.2	Flammability 1, Spread factor 0, Heat factor 1
FR AS1530.3	Ignitability 12, Spread of flame 8, Heat evolved 7, Smoke developed 7
CSFM	Complies with California State Marshal requirements, Titled 19, Section 1237.1 (1993)
NFPA	Passed NFPA 701, After-flame 0.0s, Drip burn 0.0s

All Colors are CA FR Approved



SF=83.2%



SF=70.9%



SF=72.5%



SF=87.0%



SF=82.6%



SF=86.9%



SF=86.1%



SF=88.4%

FIRE RETARDANT

FR signifies this product is Flame Retardant. Shadetex Sails is proud to introduce the Monotec 370 Series FR, a flame retardant, heavy-duty commercial grade knitted shade cloth. As with all Monotec fabrics, the 370 FR Series shade cloth is manufactured using only the highest quality FR additives and UV stabilised HDPE to ensure a superior product. With its unique knit construction and 100% round monofilament yarn, Monotec 370 Series FR is the strongest Flame Retardant shade cloth on the market!

Engineered to pass the industry's most stringent Fire Retardancy tests including California State Fire Marshall Title 19, NFPA 701 and Class A Rating for ASTM E84.



EXTRABLOCK 330

SHADE FABRIC

EYE CATCHING
COLOURS AND FR
RATED OUTDOOR
SHADE

Pacific
Shade Sails

FABRIC SPECIFICATIONS

EXTRABLOCK 330

Shade Factor % (SF depends on colour - see below for details)	81 - 97
UVR Block %	96 - 98
UPF (UV Protection Factor)	21 - 41
Roll Width	3.0m
FRAS1530.2	Flammability 1, Spread Factor 0, Heat Factor 1
FR AS1530.3	Ignitability 13, Spread of Flame 7, Heat Evolved 2, Smoke 5
CSFM	Complies with California State Marshals requirements, Title 19, Section 1237



Cream, Beige, Yellow and Red are not FR. Colours shown indicative only.

FEATURES



The EXTRABLOCK range of knitted shade fabric has been specifically designed for use in tension structures and shade sails, but performs equally well when used on carpark structures, awnings and umbrellas.

EXTRABLOCK is one of the worlds best FR rated shade cloths. It meets the California State Fire Marshall test for title 19. This is widely recognised as the most difficult FR test to meet and EXTRABLOCK gets a new certificate every year!

EXTRABLOCK is a very dimensionally stable shade cloth with very similar biaxial strengths and extensions in both directions.

EXTRABLOCK has a 12 year warranty against UV breakdown. Peace of mind for you and your clients.

- ✓ High Strength fabric
- ✓ Controlled Elongation
- ✓ Maximum protection with up to 98% shade
- ✓ Excellent Dimensional Stability
- ✓ 12 Year Warranty
- ✓ Fire retardancy rated
- ✓ Heat set (stentered)
- ✓ Will not rot or support the development of mould and mildew
- ✓ Breathable, allowing air circulation for cooling



ENGINEERING SPECIFICATIONS



Breaking Force Warp (AS2001.2.3.2-2001 Grab Method)	979N
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Breaking Force Weft (AS2002.3.1-2001)	1228N
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Elongation at Break Warp	67%
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Elongation at Break Weft	57%
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Bursting Strength (AS 2001.2.4-1990)	3000kPa
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Tear Resistance Warp (AS2001.2.10-1986)	157N
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Tear Resistance Weft (AS2001.2.10-1986)	170N
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The beautiful palette of color combinations will enhance the design of any outdoor space.

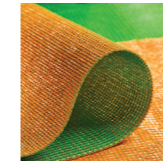
BRILLIANT COLLECTION

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.



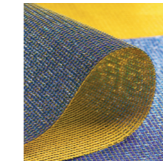
Citrus



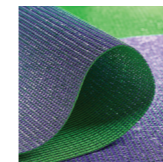
Citrus
491147
495992



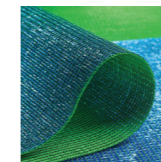
Sunburst
492694
496067



Macaw
491154
496029



Chameleon
491116
495985



Topaz
492717
496074

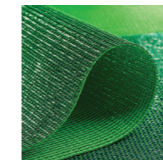
TERRAFIRMA COLLECTION

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

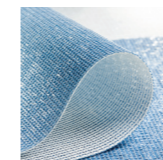
DESTINATION COLLECTION

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

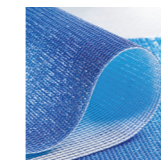
Inspired by the most alluring locations around the world, the fabric colors in this collection will transform any outdoor space into a beautiful oasis.



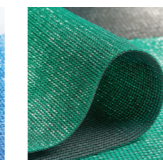
Maldives



Capri
491185
495978



Santorini
492700
496043



Maldives
491130
496036

Commercial
DualShade®
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 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

Commercial
Heavy
430



Commercial
Heavy
430FR



Architectural
Shade Fabric
specifically
engineered to
withstand extreme
weather conditions
on large scale
tension structures

Made from 100% round monofilament HDPE yarn and featuring a patented intertwining knit pattern, **Commercial Heavy 430** features superior biaxial and load bearing performance for optimum shade and tensioning endurance.

Commercial Heavy 430 offers up to 87.9% UVR Block protection and is available in 16 popular colours, making it easier than ever to complement existing design elements and colour schemes.



Desert Sand
484309
492878



Black
484422
492922



Charcoal
484460
492908



Steel Grey
484408
492854



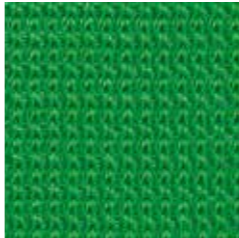
White
485863
492847



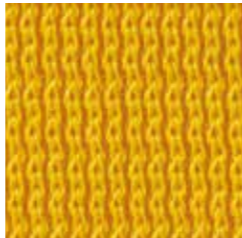
Brunswick Green
484361
492915



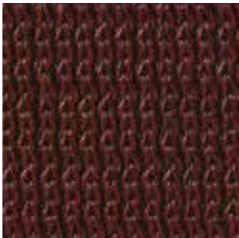
Emerald
485887
492946



Bright Green
492779
492960



Yellow
485849
492830



Deep Ochre
484385
492885



Red
484484
492892



Orange
492786
492977



Natural
484347
492939



Navy Blue
484446
492861



Aquatic Blue
484323
492953



Royal Purple
492793
492984

Durability and **FR** compliance are now combined to create premium fabrics providing maximum performance.

GALE Pacific offers the **WIDEST RANGE of FLAME RETARDANT** knitted fabrics globally.

Our FR fabrics meet the most stringent Fire Standards for shade fabrics including CSFM 1237.1 & NFPA 701 across all colour variants with fabrics that offer optimum biaxial stability and tensile properties, for minimal maintenance and improved fabric life.



Patented intertwining knit pattern resulting in superior biaxial performance

100% round monofilament HDPE yarn for optimal structural stability

Uniform balance across the warp and weft for easy fabrication and minimal maintenance

Stentered (heat set) for prevention of shrinking and ease of fabrication

Commercial
**Heavy
430**

Commercial
**Heavy
430FR**

Engineered
to withstand
extreme weather
conditions on
large scale tension
structures



Architectural
SHADE FABRIC

Outdoor Recreation Areas
Car Park Structures
Sports Complexes

Commercial
**Heavy
430**

Performance		
Tensile Strength	warp	1 600 N/50mm
Elongation at max. force	warp	108%
Tensile Strength	weft	1400 N/50mm
Elongation at max. force	weft	165%
Wing tear (mean)	warp	503 N
Wing tear (mean)	weft	255 N
Burst force		2349 N
Burst pressure		3900 kPa

Fabric Properties	
Nominal Fabric Mass	430 gsm ± 20

Roll Specification	
Width	3.0m (unfolded)
Length	40m

Flammability	
AS1530.2 - Flammability Index	21

Commercial
**Heavy
430FR**

Performance		
Tensile Strength	warp	1400 N/50mm
Elongation at max. force	warp	70%
Tensile Strength	weft	1300 N/50mm
Elongation at max. force	weft	144%
Wing tear (mean)	warp	255 N
Wing tear (mean)	weft	272 N
Burst force		1955 N
Burst pressure		3200 kPa

Fabric Properties	
Nominal Fabric Mass	430 gsm ± 20

Roll Specification	
Nominal width	3.0m (unfolded)
Length	40m

Flammability	
AS1530.2 - Flammability Index	1
CSFM 1237.1 #	Pass- all colours
NFPA 701 #	Pass- all colours

Contact GALE Pacific for test reports and certificates



* Oeko-Tex & Greenguard applicable to non FR products only
* 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, colours pictured may not represent the true colour.



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galecommercial.com



Where performance and function meet design.



Architectural
SHADE FABRIC

Sports Complexes
Office Buildings
Playgrounds
Schools
Parks

AS Standards

ASTM Standards

Performance

Maximum force
Elongation at max. force
Maximum force
Elongation at max. force
Breaking force
Breaking force
Tear strength
Tear strength
Bursting Pressure
Bursting force

Dualshade 350

warp 960 N/50mm
warp 117%
weft 1100 N/50mm
weft 70.5%
warp 1500 N
weft 1300 N
warp 327 N
weft 245 N
3500 kPa
1959 N

Dualshade 350 FR

790 N/50mm
99%
1200 N/50mm
72%
1200 N
1300 N
238 N
180 N
3300 kPa
1915 N

Dualshade 350

warp 265 lbf
warp 79%
weft 321 lbf
weft 62%

warp 64.4 lbf
weft 49.2 lbf

461 lbf

Dualshade 350 FR

196 lbf
79%
286 lbf
71%

61.4 lbf
47.3 lbf

383 lbf

Fabric Properties

Nominal Fabric Mass

350 gsm ± 20

350 gsm ± 20

350 gsm ± 20

350 gsm ± 20

Roll Specification

Normal Width
Length

3.0m (folded)
40m

3.0m (folded)
40m

9 ft. 10 in. (folded)
131 ft. 3 in.

9 ft. 10 in. (folded)
131 ft. 3 in.

Flammability Info

Flammability Index - 38
Ignitability Index - 14
Spread of Flame Index - 8
Heat Evolved Index - 3
Smoke Developed Index - 4

Flammability Index - 1

ASTM E84 19B Class A

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



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¹Applicable to non-FR fabric only



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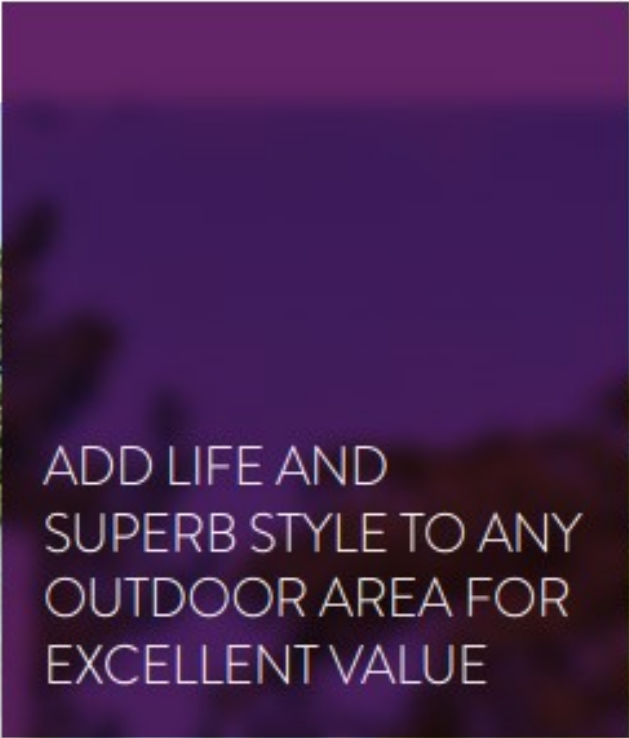
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galecommercial.com

SHADETEC 320[®]

SHADE FABRIC

Not CA FR Approved



ADD LIFE AND
SUPERB STYLE TO ANY
OUTDOOR AREA FOR
EXCELLENT VALUE



Pacific
Shade Sails

FABRIC SPECIFICATIONS

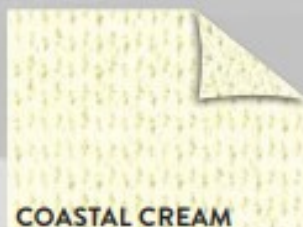
SHADETEC 320®

Shade Factor % (SF depends on colour - see below for details)	75-97 %
UVR Block %	91-95 %
Roll Width	3.7m
Roll Length	50m
Heat set to increase dimensional stability and consistency	
Abrasion resistant yarn	



ARCTIC WHITE

SF=75%



COASTAL CREAM

SF=77%



DESERT SAND

SF=87%



ALPINE SILVER

SF=94%



CHARCOAL GREY

SF=95%



OCEAN BLUE

SF=93%



DEEP SEA NAVY

SF=96%



CANYON TAN

SF=92%



SUNSHINE YELLOW

SF=80%



CARBON BLACK

SF=97%



MEADOW GREEN

SF=91%



FOREST GREEN

SF=95%



LAVA RED

SF=91%



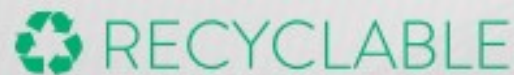
RIVER SAND

SF=90%



Colours shown indicative only.

FEATURES



Shadetec 320® is a commercial grade shade cloth fabric manufactured from High Density Polyethylene (HDPE) monofilament and tape filament. All filament (or yarn) is lockstitch knitted together providing a very high strength fabric. Shadetec 320® is then heat set, which improves dimensional stability and consistency and ensures that the mesh will lie flat during fabrication.

Shadetec 320® is ideal for small to medium size applications where a premium grade shade fabric is required. Each colour in the range consists of single colour filaments, which provides consistent colour tone and texture throughout the entire roll.

Shadetec 320® not only offers a very high level of UV protection with 91% - 95% block, but is made from UV stabilised materials, ensuring that the fabric of your shade sails will continue to perform even after years of exposure to the elements. The super tough abrasion resistant yarn means excellent durability and longevity with great resistance to grime, mildew and dirt.

- ✓ High strength fabric
- ✓ Ideal for smaller residential shade sails
- ✓ Up to 97% shade offered
- ✓ 13 year warranty
- ✓ Stain, dirt and grime resistant
- ✓ Available in 14 colours
- ✓ Single colour filaments ensure consistent colour tone
- ✓ Eco-friendly - 100% recyclable

SHADETEC 320® fabric is covered with a 13 year UV warranty.



ENGINEERING SPECIFICATIONS



Breaking Force Warp (AS 2001.2.3.2-2001 Grab Method)	1224N
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Breaking Force Weft (AS 2001.2.3.2-2001 Grab Method)	1601N
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Elongation at Break Warp	94%
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Elongation at Break Weft	50%
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Bursting Force (AS 2001.2.4 Ball Bursting Method)	1973N
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Tear Strength Warp (AS 2001.2.10.C.R.E, Wing rip Tear Method)	195N
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Tear Strength Weft (AS 2001.2.10.C.R.E, Wing rip Tear Method)	247N
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