



Standardized Data on Gain and Viewing Angle

Premium Projection Screens: Series 100

55"/110" Cream 110
94" Cream 110
55"/110" High Contrast Grey 120
94" High Contrast Grey 120
55"/110" Black 130
55"/110" Blue 140
55"/110" Light Translucent 150
55"/110" Front White 160
86" Front White 160
82" Front White/Black 160B
55"/110" Front White Perf 170
86" Front White Micro Perf 180
55"/110" Black Front 190

Premium Projection Screens: Series 200

120" Cream 210
120" High Contrast Grey 220
120" HD Grey 225
120" Black 230
120" Front White 260
120" Front White/Opaque Grey 260G

Projection Effect Fabrics

Allegro Silk 119" – White
Crushed Voile 114" – White
Domino 62" – White/Silver
Sail Cloth 60" – White/Black
Sharkstooth Scrim Black-Rear Projection Goo
Misted on Front
Tergalet 106" – Snow
Textilene 54" – Dove Grey
Textilene 98" – White
Voile 118" – White

Projection Fabrics

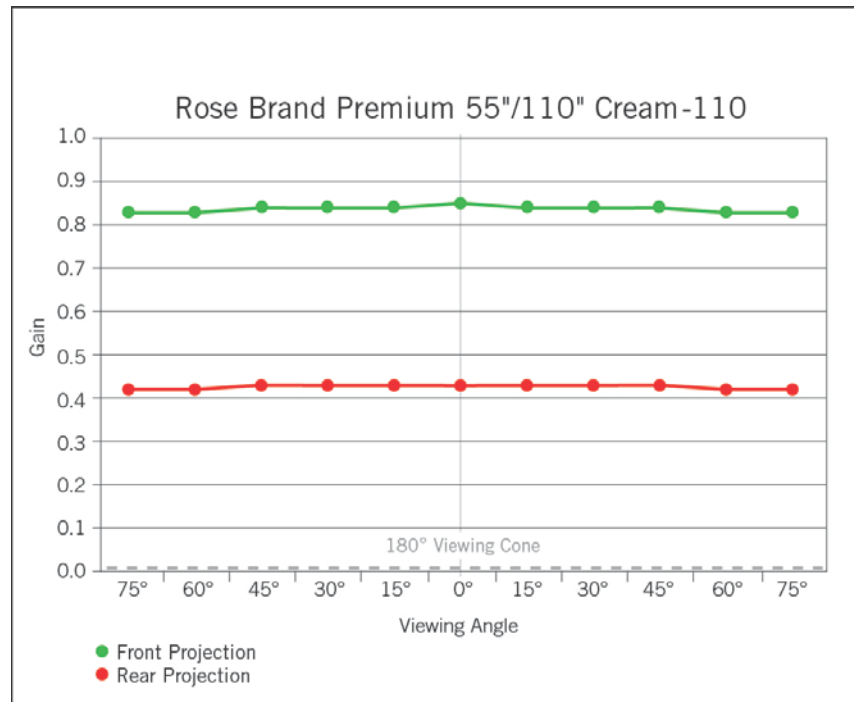
Aglo 112" – White
Blackout Lining 54" – White/White
Blow Through™ 180" – White
Boost 112" – White
Celtic Cloth 122" – White
Extra Wide Canvas 14'5" – White
LiteOut™ B-W 122" – Black/White
Mesh 100
Muslin 12' – White
Muslin 14'5" – Light Grey
Muslin 14'5" – Natural
Muslin 14'5" – White
Poly Cyc 128" – White
Poly Muslin 128" – White
SoftScreen 122" – Contrast Grey
SoftScreen 122" – White
Speaker Mesh

Rosco Projection Screens

93" Front White
55" Light Translucent
55" Rear Black
55" Rear Grey
55" Twin White

Screen Goo

Basic White
Calcium Carbonate
High Contrast
Reference White



This is the most versatile and popular screen with brilliant results for front, rear and cross fades. Also serves as a great Cyclorama/Bounce.

Type of Projection:	Front and Rear Projection
Opacity:	Translucent
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

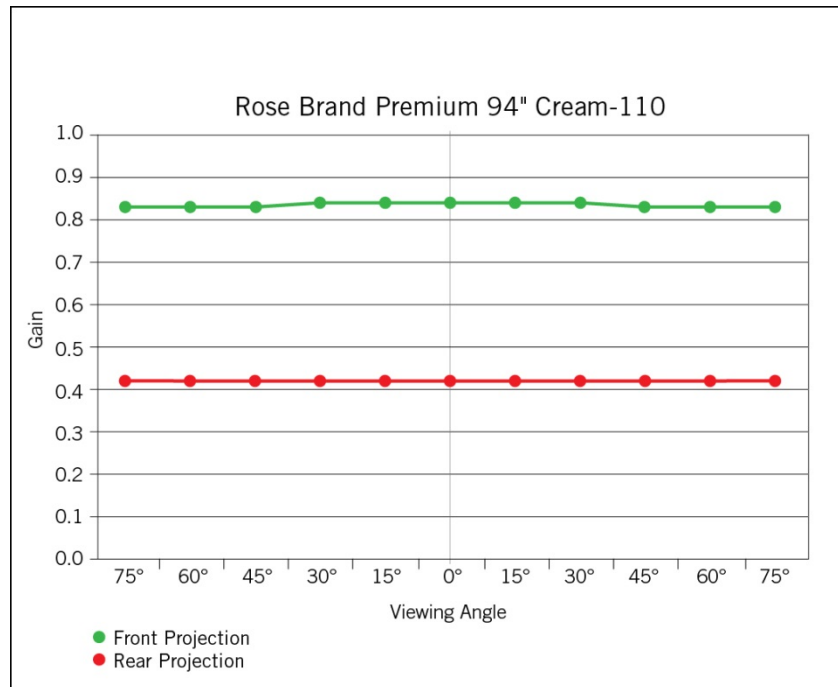
Notes: Matte Side toward audience. 110" is 2 widths of 55" welded. Call us for a quote on custom finished projection screens.

Projection has become a staple in performance, integrating seamlessly with scenic and lighting design. These standardized gain test results are a tool for helping to choose among Rose Brand's projection substrates. Many are materials specifically for high resolution projection, but also included are fabrics for more abstract lighting effects. As projection professionals know, gain/viewing angle is only one of many factors to consider when selecting a projection surface.

Fabrics were tested using a Panasonic PT-RZ370 projector, a Sekonic spot meter, and a Datacolor Syder 5 Elite software and color sensor suite.

The projector was mounted 6 feet from the surface under test. A quarter circle with a 6 foot radius was marked on the floor with measurement positions established at 15 degree increments: on-axis, 15, 30, 45, 60 and 75 degrees. The brightness of the surface under test was measured from each of these positions and color analysis was done on axis. Each of the fabrics now has a preset Windows color calibration profile available for the Panasonic projector used in the tests.

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Opacity:	Translucent
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	94"
Width:	240 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

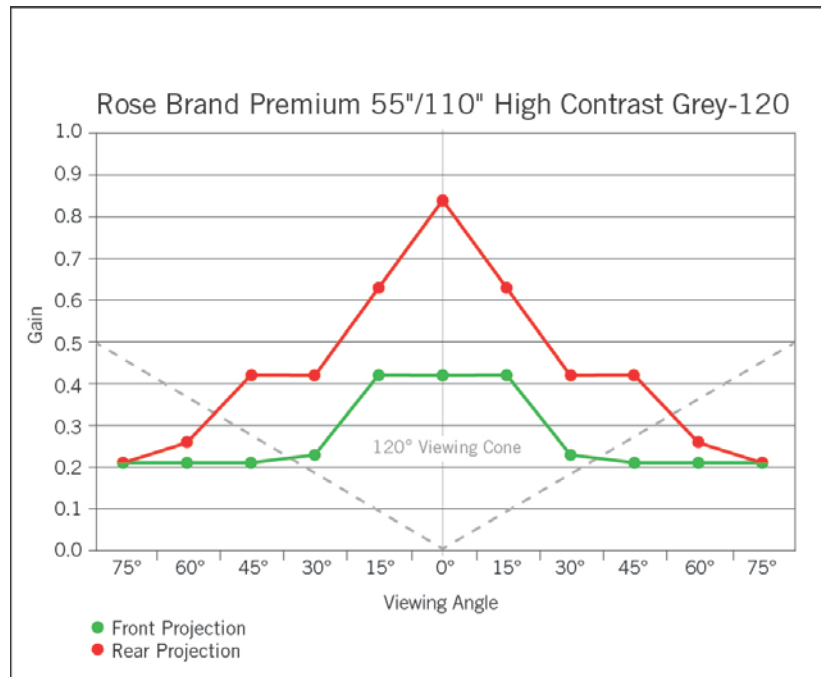
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High contrast makes clacks darker and the neutral color is great for blending in with scenery. Increased contrast is best for high ambient light situations such as outdoors.

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Material:	PVC
Weight:	Approx. 12 oz./yd ²
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Thickness:	.30 mm
Roll Length:	109 yds
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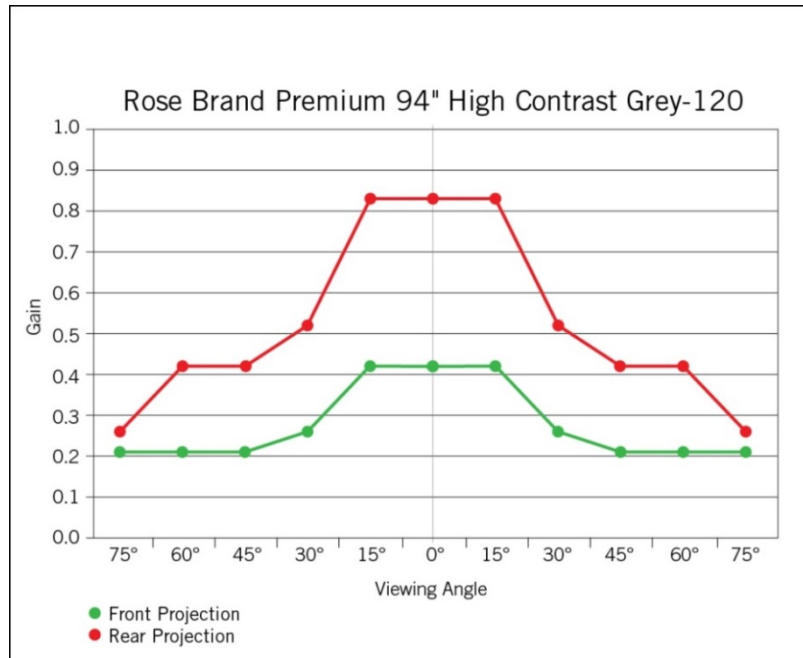
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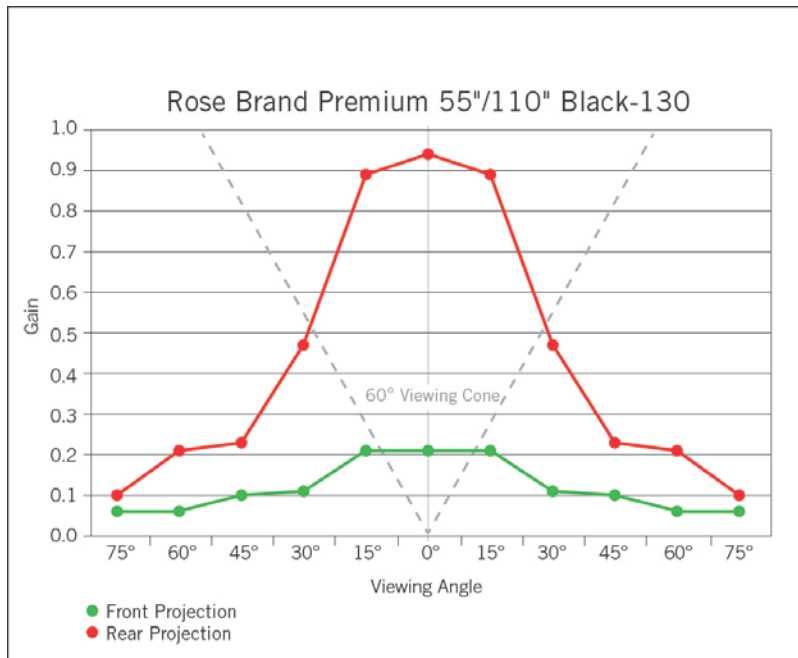
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Great for show situations where the screen must not bounce ambient light. The screen formulation is ideal for using light in front of a video wall. It asks the individual pixels and results in a brilliant image with high contrast.

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Opacity:	Translucent
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
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Thickness:	.30 mm
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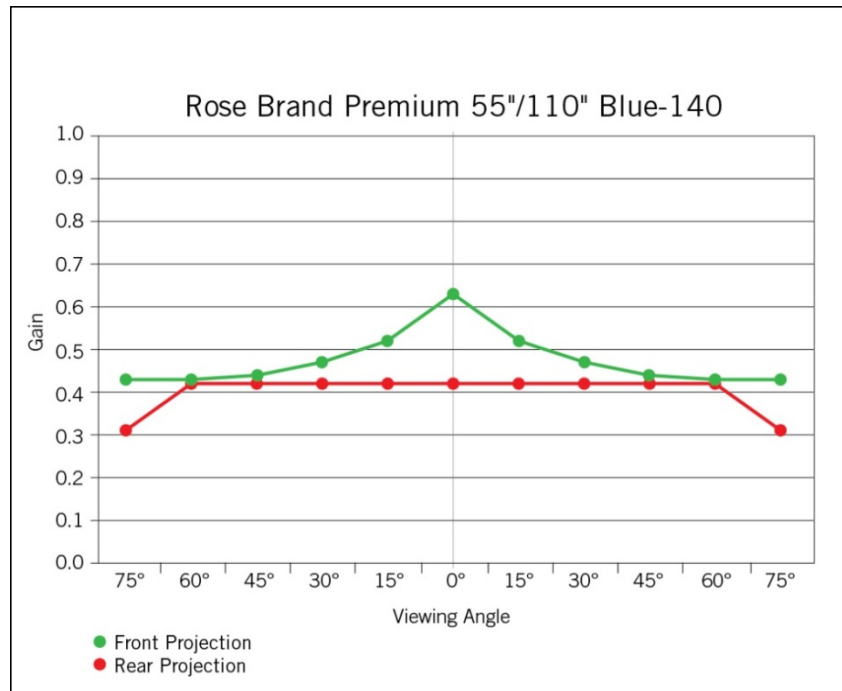
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A grey/Blue for a cooler temperature. Ideal for sky effects.

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Weight:	Approx. 400 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
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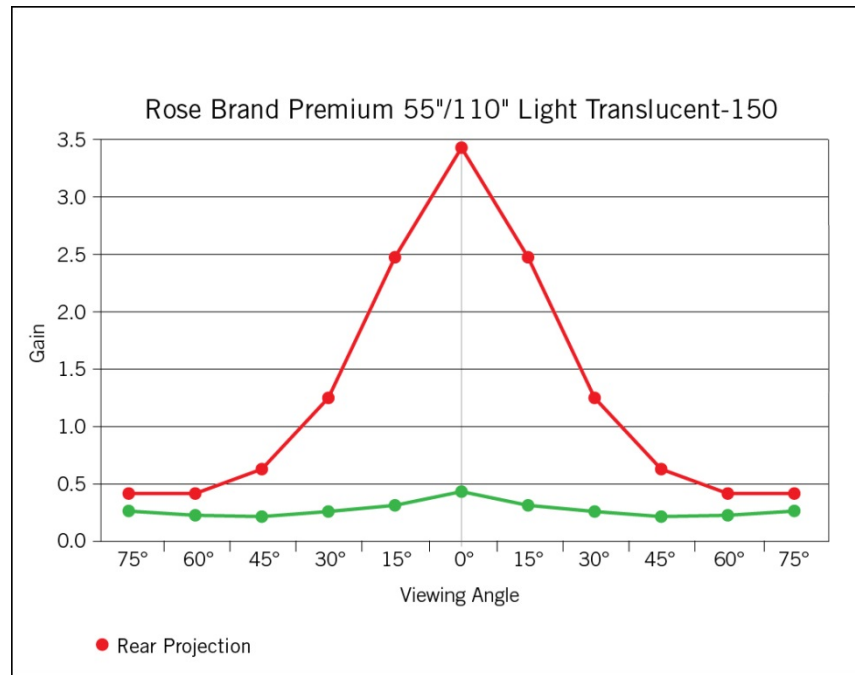
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For projection situations with high ambient light. Also great for color washes, gobos and many other lighting effects.

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Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
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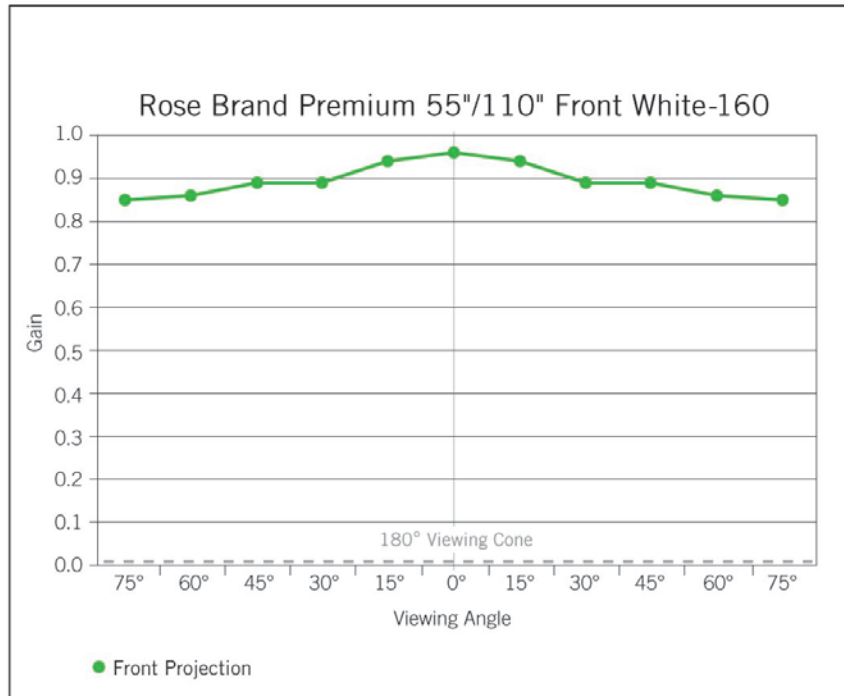
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The standard for front projection where high gain is needed.

Type of Projection:	Front Projection
Opacity:	Opaque
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
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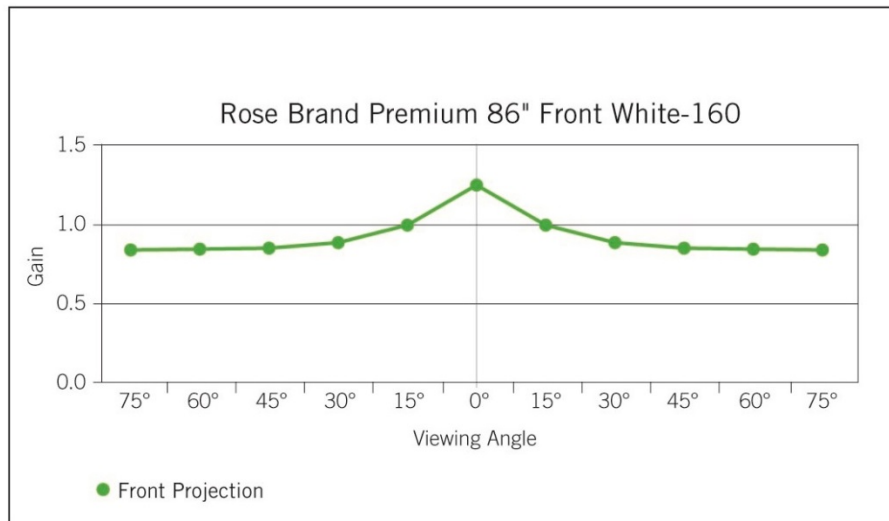
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Type of Projection:	Front Projection
Opacity:	Opaque
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	86"
Width:	220 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

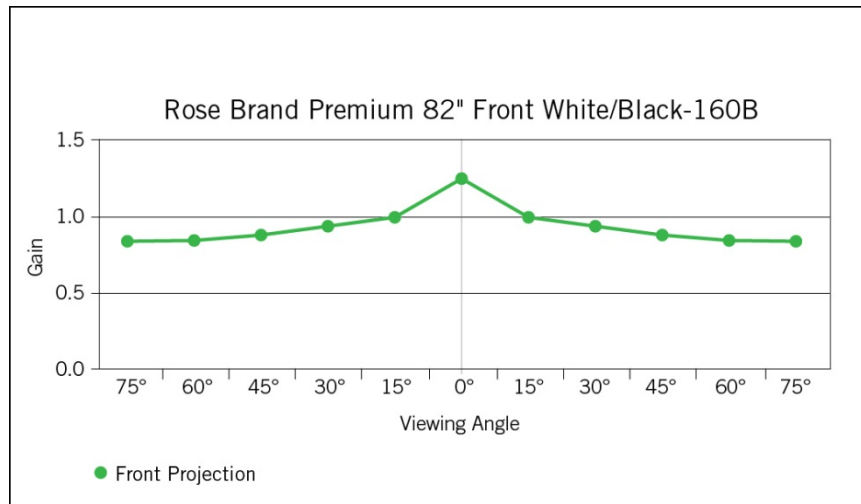
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Front White material with an opaque black backing. The standard for front projection were high gain is needed.

Type of Projection:	Front Projection
Opacity:	Opaque
Material:	PVC
Weight:	Approx. 19 oz./yd ²
Weight:	Approx. 640 g/m ²
Width:	82"
Width:	210 cm
Thickness:	16 mil
Thickness:	.42 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

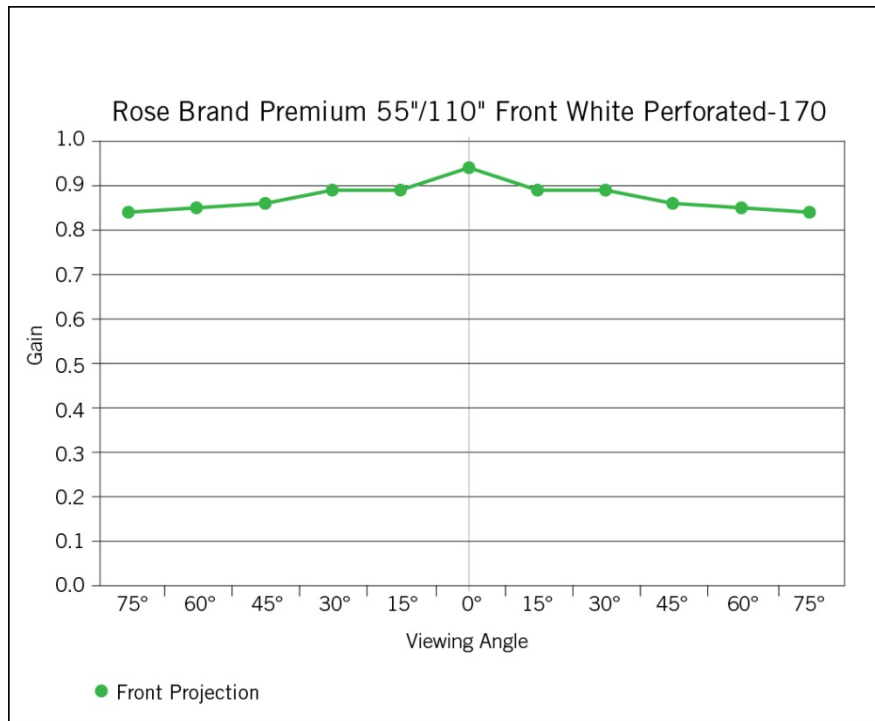
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For acoustic transparency when placing speakers behind the screen.

Type of Projection:	Front Projection
Opacity:	Perforated
Material:	PVC
Weight:	Approx. 9 oz./yd ²
Weight:	Approx. 300 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

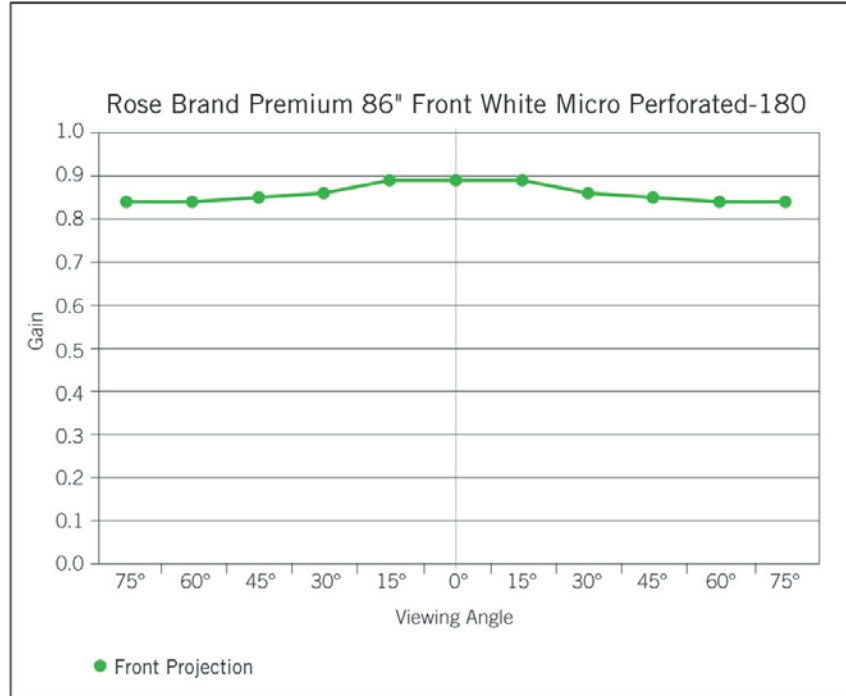
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Acoustic perforations that are virtually invisible and provide acoustic transparency when placing speakers behind the screen for home theatres where the audience is close.

Type of Projection:	Front Projection
Opacity:	Perforated
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 390 g/m ²
Width:	86"
Width:	220 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

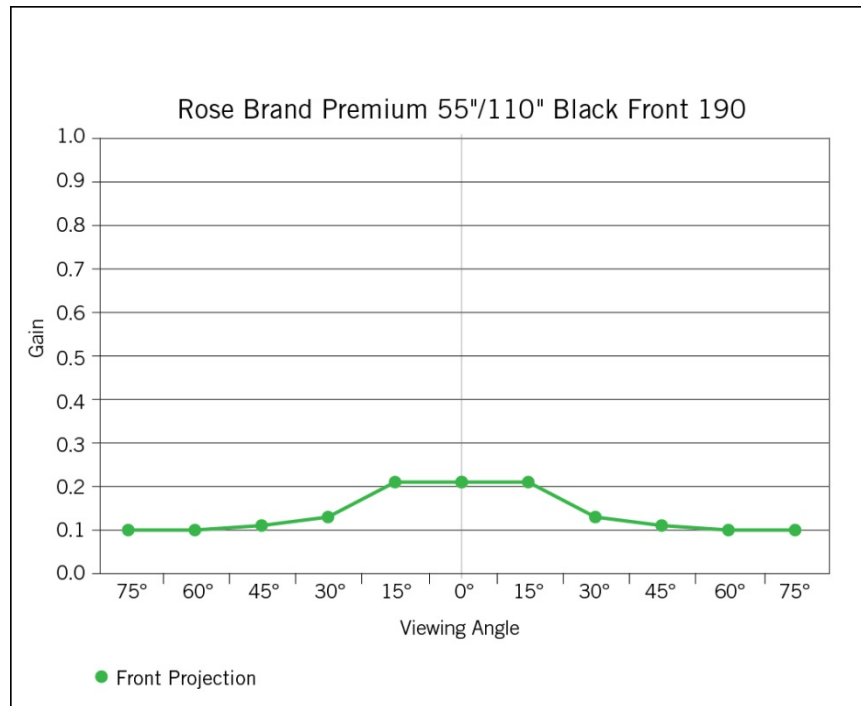
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For acoustic transparency when placing speakers behind the screen.

Type of Projection:	Front Projection
Opacity:	Translucent
Material:	PVC
Weight:	Approx. 12 oz./yd ²
Weight:	Approx. 400 g/m ²
Width:	55"/110"
Width:	140 cm/280 cm
Thickness:	12 mil
Thickness:	.30 mm
Roll Length:	109 yds
Roll Length:	100 m
Flame Retardancy:	NFPA 701, CA 19, DIN 4102 B1, M2

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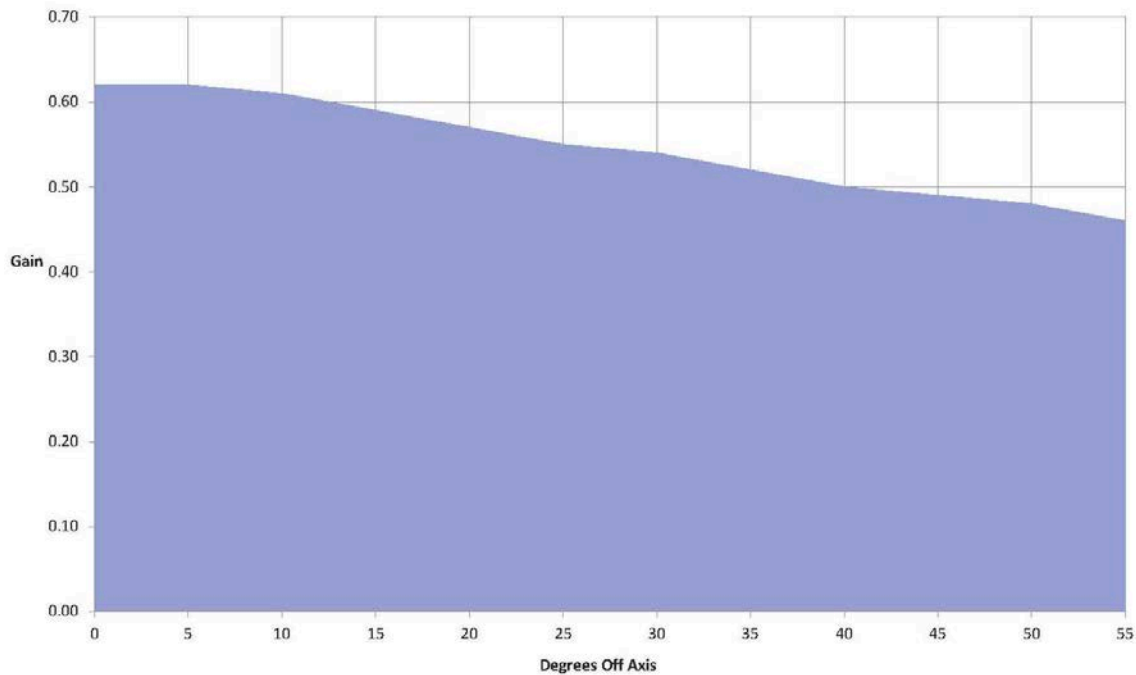
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Rose Brand Premium 120" Cream-210



This is the most versatile and popular screen with brilliant results for front, rear and cross fades. Also serves as a great Cyclorama/Bounce.

Gain on Center: 1.05

Gain at 45 Deg. off Center: 0.75

Type of Projection: Front and Rear Projection

Opacity: Translucent

Material: PVC

Width: 120"

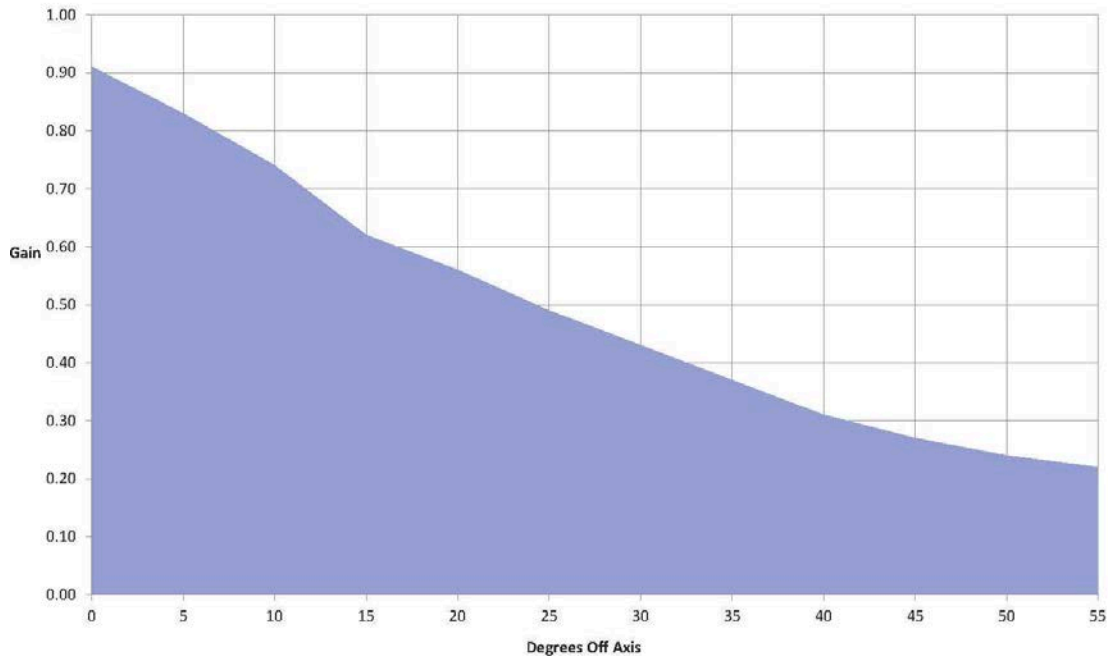
Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.

Rose Brand 120" Premium High Contrast Grey-220



High contrast makes clacks darker and the neutral color is great for blending in with scenery. Increased contrast is best for high ambient light situations such as outdoors.

Gain on Center: 2.25

Gain at 45 Deg. off Center: 0.39

Type of Projection: Front and Rear Projection

Opacity: Translucent

Material: PVC

Width: 120"

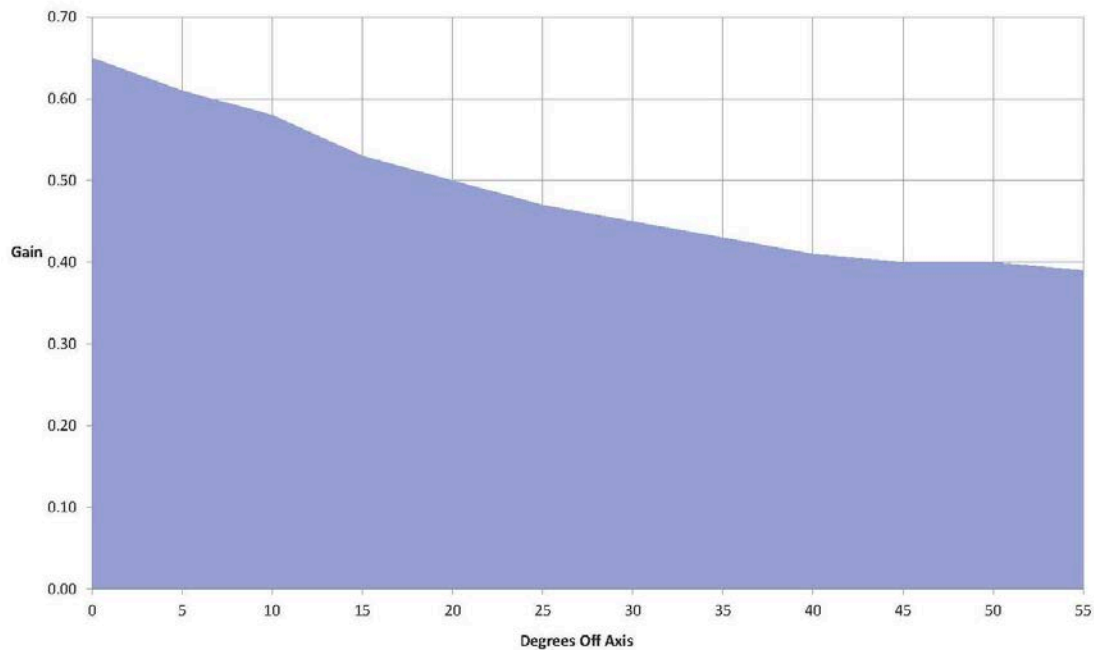
Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.

Rose Brand 120" Premium HD Grey-225



Gain on Center: 0.65

Gain at 45 Deg. off Center: 0.04

Type of Projection: Front Projection

Opacity: Opaque

Material: PVC

Width: 120"

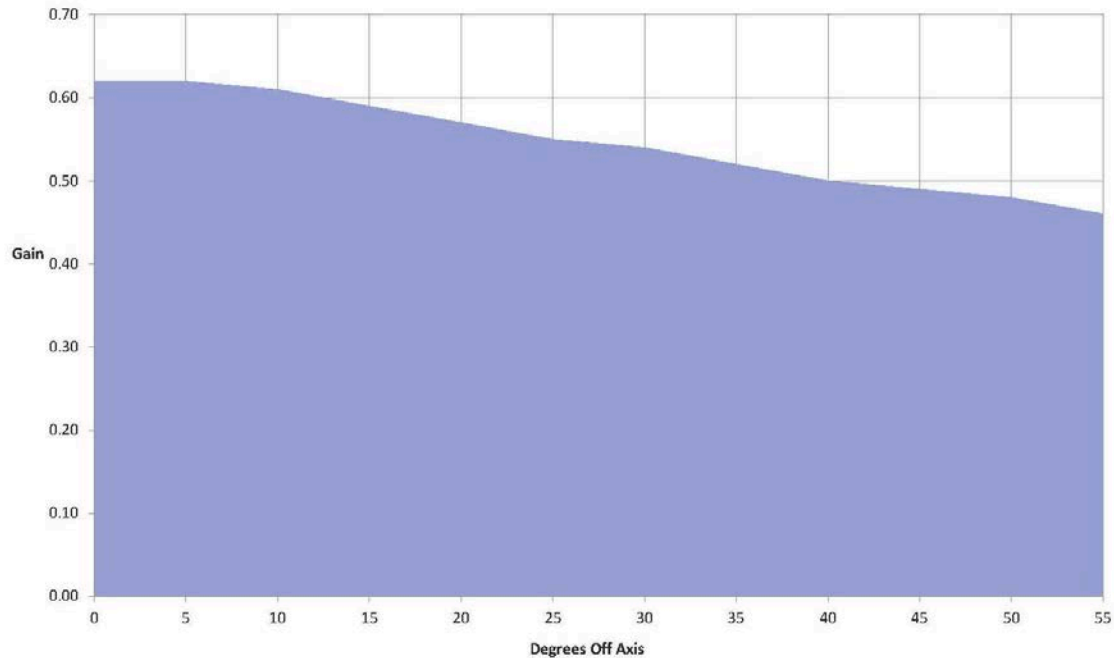
Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.

Rose Brand Premium 120" Black-230



Great for show situations where the screen must not bounce ambient light. The screen formulation is ideal for using light in front of a video wall. It asks the individual pixels and results in a brilliant image with high contrast.

Gain on Center: 1.05

Gain at 45 Deg. off Center: 0.75

Type of Projection: Front and Rear Projection

Opacity: Translucent

Material: PVC

Width: 120"

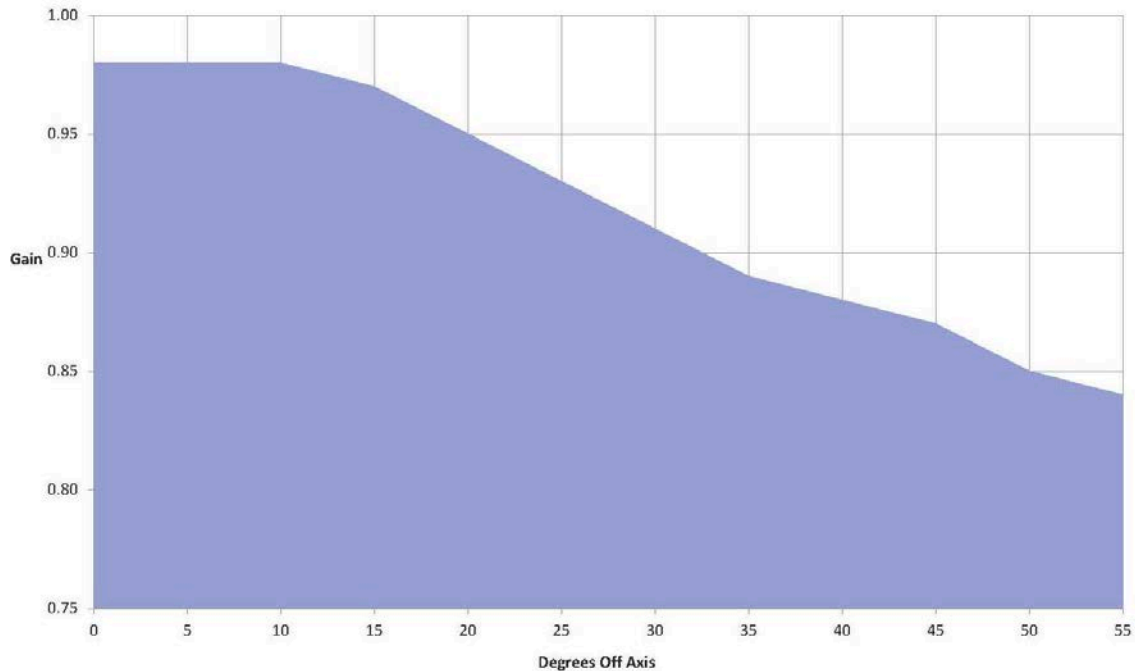
Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.

Rose Brand Premium 120" Front White-260



The standard for front projection where high gain is needed.

Gain on Center: 0.97

Gain at 45 Deg. off Center: 0.87

Type of Projection: Front Projection

Opacity: Opaque

Material: PVC

Width: 120"

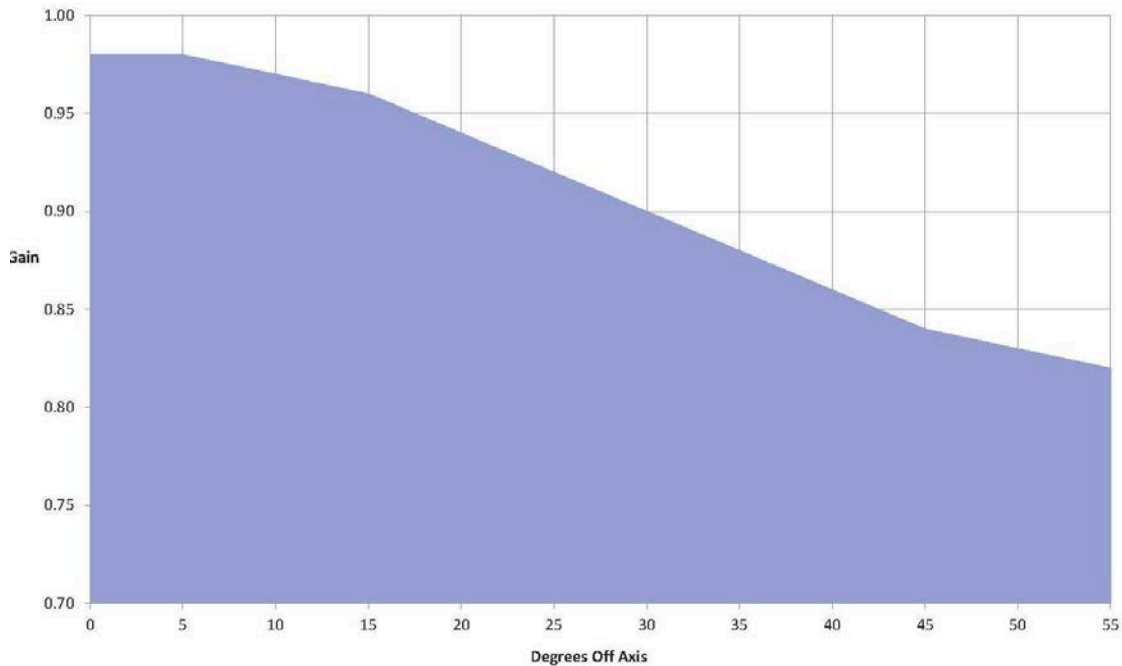
Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.

Rose Brand 120" Premium Front White/Opaque Grey-260G



Gain on Center: 1.10

Gain at 45 Deg. off Center: 0.90

Type of Projection: Front Projection

Opacity: Opaque

Material: PVC

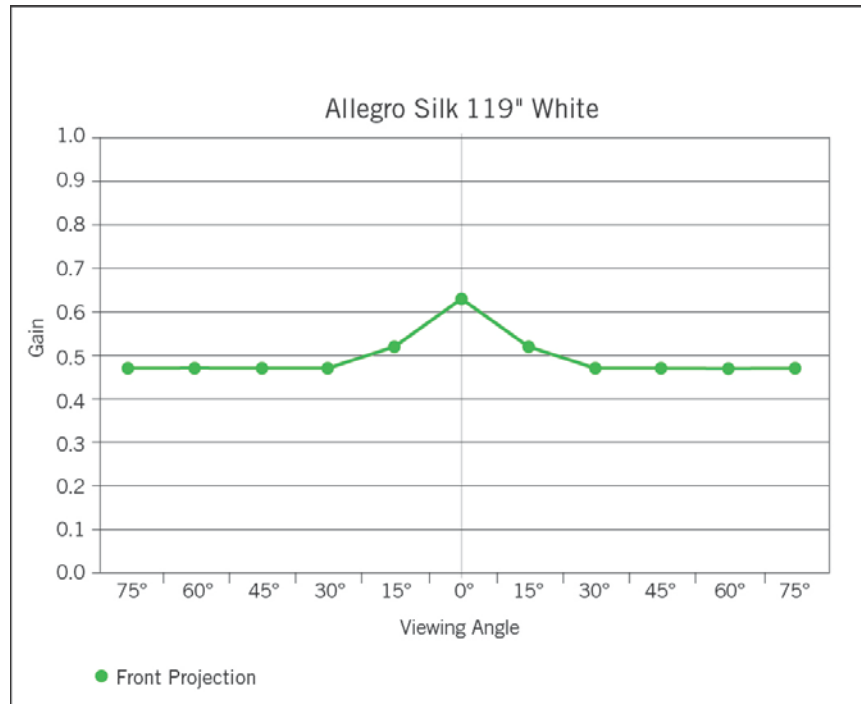
Width: 120"

Thickness: 11 gauge

Roll Length: 100 yds

Flame Retardancy: IFR

Notes: Matte Side toward audience. Call us for a quote on custom finished projection screens.



Inherently Flame Retardant
100% Polyester

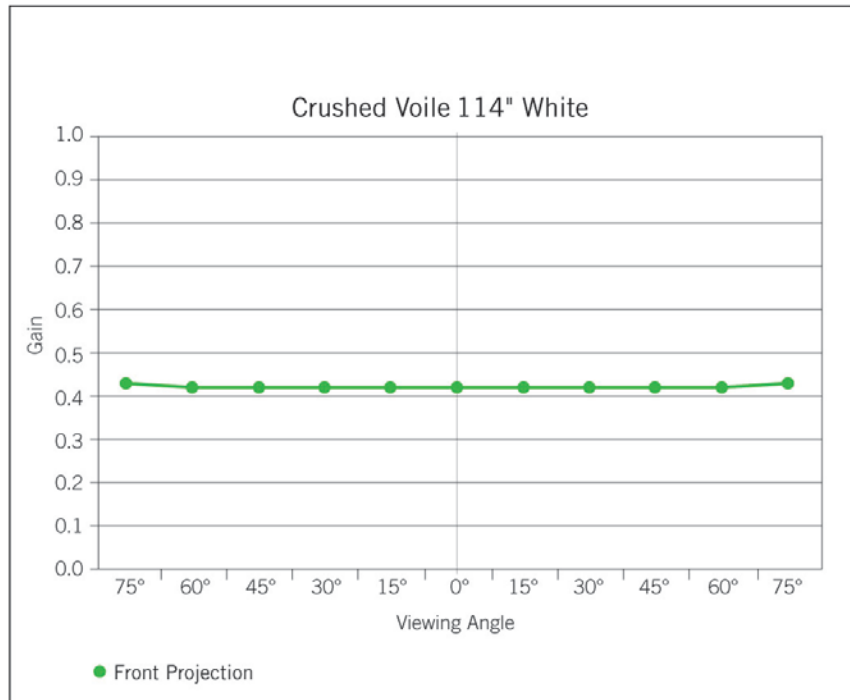
The perfect extra-wide poly silk (polysilk) surface for projection, diffusion and lighting.

Projection has become a staple in performance, integrating seamlessly with scenic and lighting design. These standardized gain test results are a tool for helping to choose among Rose Brand's projection substrates. Many are materials specifically for high resolution projection, but also included are fabrics for more abstract lighting effects. As projection professionals know, gain/viewing angle is only one of many factors to consider when selecting a projection surface.

Fabrics were tested using a Panasonic PT-RZ370 projector, a Sekonic spot meter, and a Datacolor Syder 5 Elite software and color sensor suite.

The projector was mounted 6 feet from the surface under test. A quarter circle with a 6 foot radius was marked on the floor with measurement positions established at 15 degree increments: on-axis, 15, 30, 45, 60 and 75 degrees. The brightness of the surface under test was measured from each of these positions and color analysis was done on axis. Each of the fabrics now has a preset Windows color calibration profile available for the Panasonic projector used in the tests.

Projector Settings were as follows: 6 foot throw distance. Standard Picture Mode. All Pic Controls Set to Zero or Neutral. Color Temp is Set to Default. Noise Reduction Off.



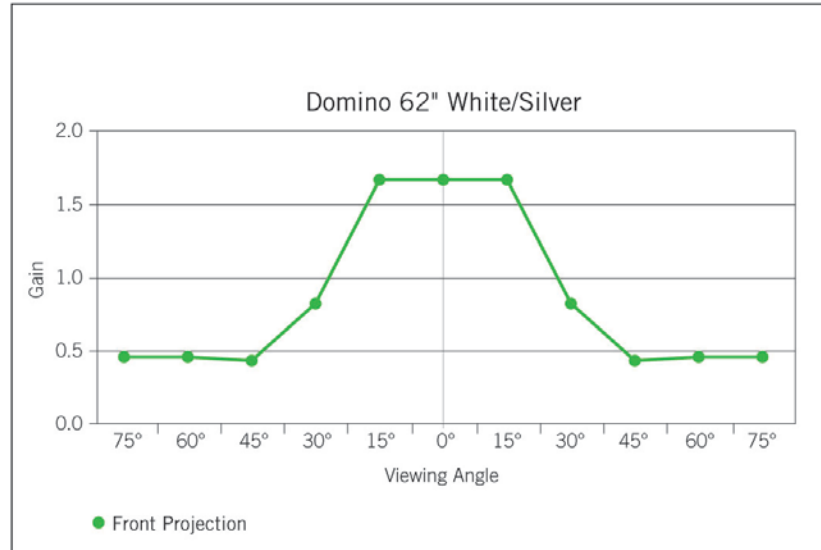
Inherently Flame Retardant
100% Polyester

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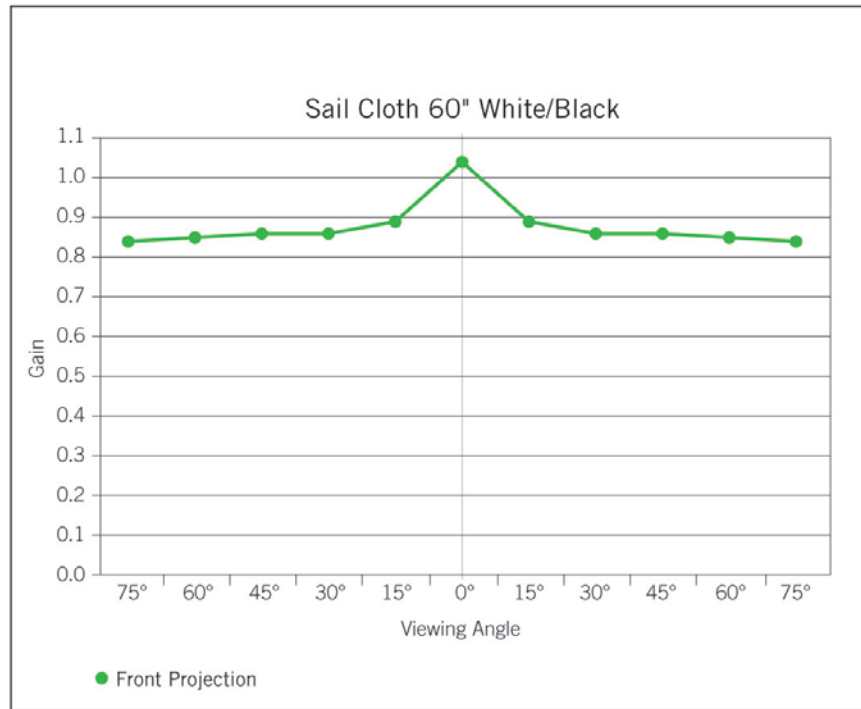
Flame Retardant
100% Polyester

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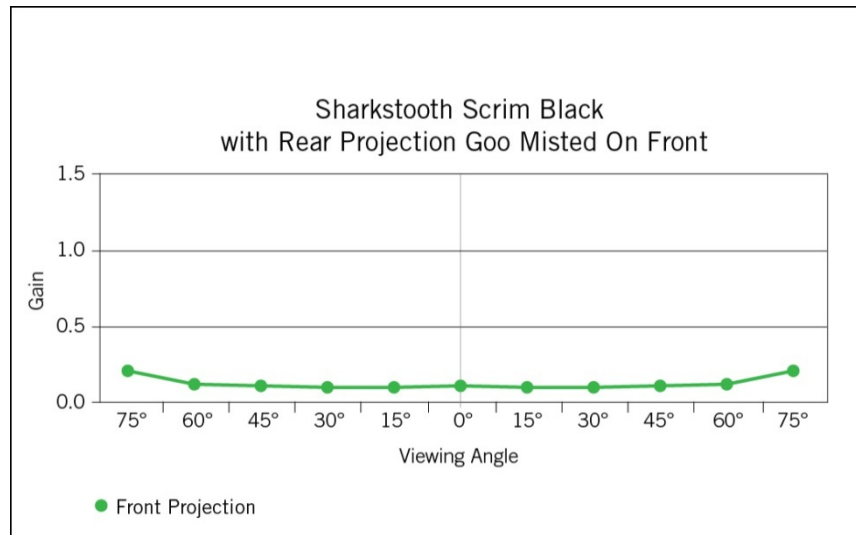
Flame Retardant
100% Nylon

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Flame Retardant

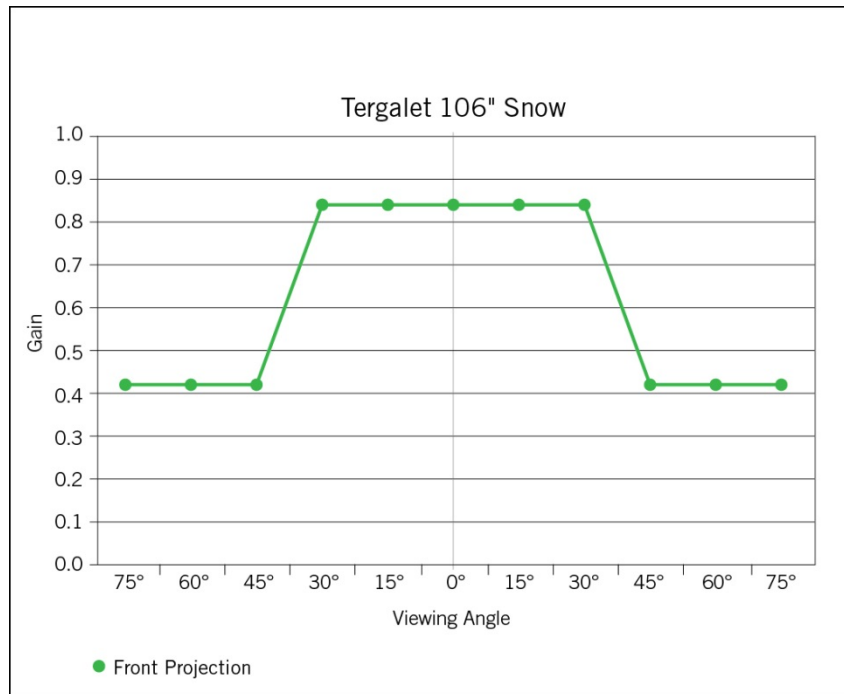
Cotton coated with Screen Goo

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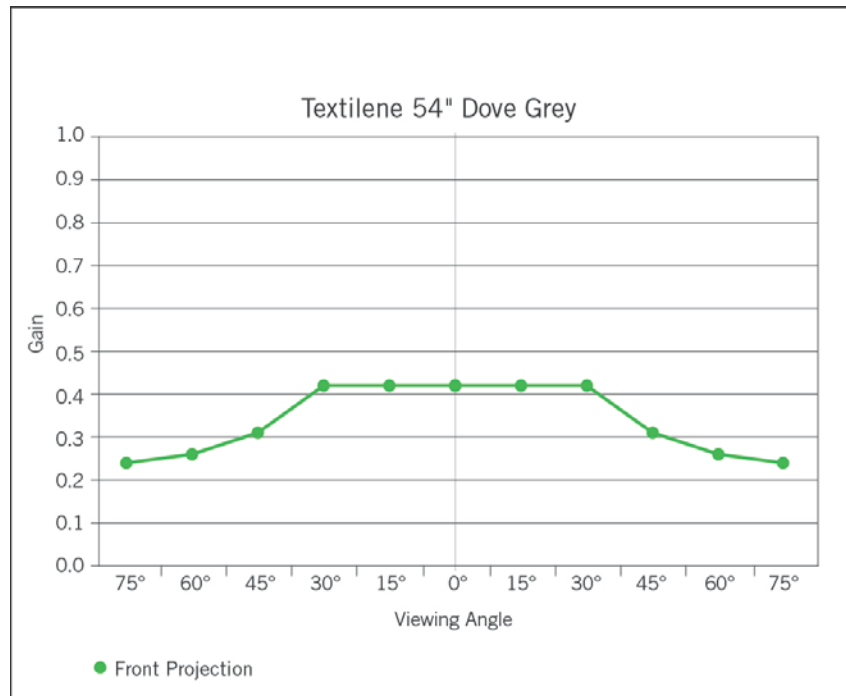
Inherently Flame Retardant
100% Polyester

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Non Flame Retardant

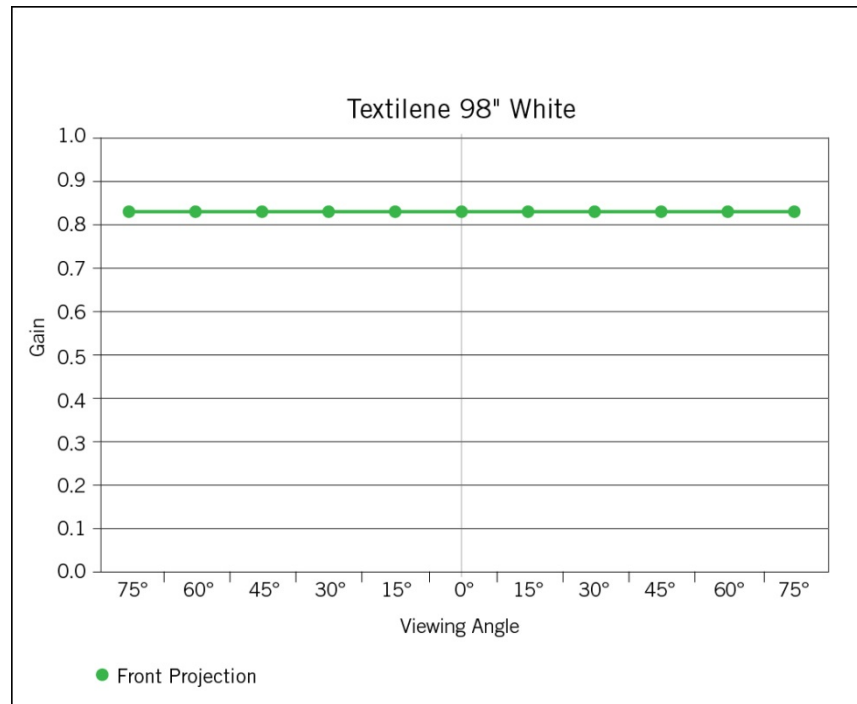
A sturdy weatherproofing PVC coated polyester mesh in a range of colors used for covering outdoor concert scaffolding and speaker towers, and for backdrops with lighting and laser projection. It features low acoustic absorption, and it's open mesh (36%) decreases wind resistance at outdoor venues.

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Inherently Flame Retardant

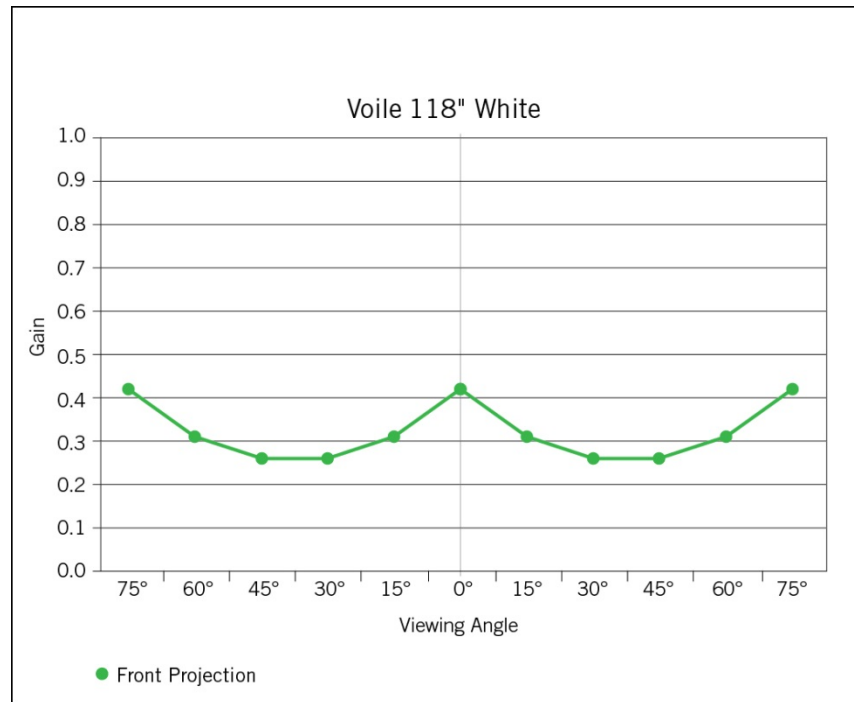
A sturdy weatherproofing PVC coated polyester mesh used for covering outdoor concert scaffolding and speaker towers, and for backdrops with lighting and laser projection. It features low acoustic absorption, and it's open mesh (28%) decreases wind resistance at outdoor venues.

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Inherently Flame Retardant
100% Polyester

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Inherently Flame Retardant
100% Polyester

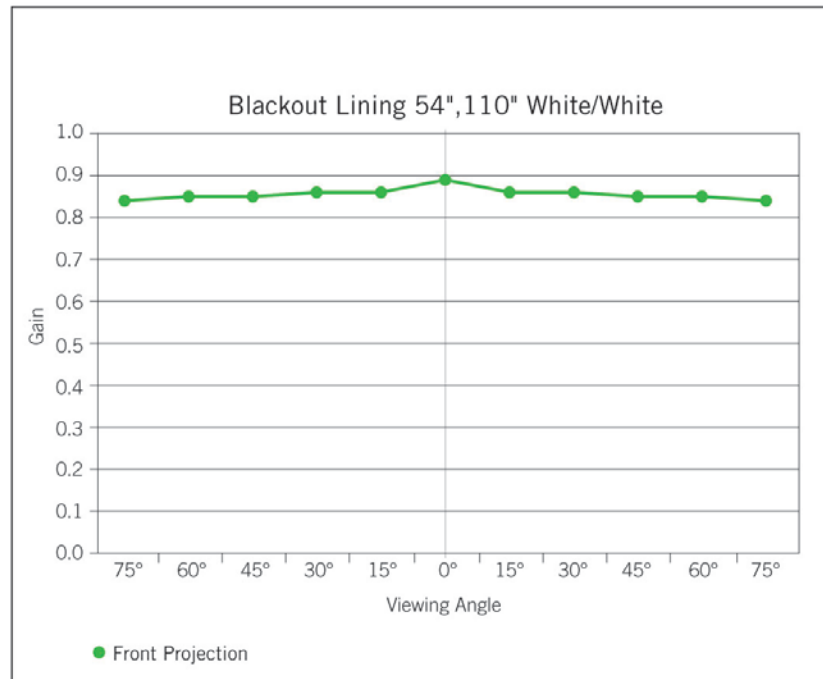
This is the widest rear projection fabric available, but it works for front projection as well. This heavyweight white woven polyester fabric is a great light diffuser when backlit. Aglo™ is often used for creating large scale lighting effects and its stability makes it ideal for roll drop projection screens.

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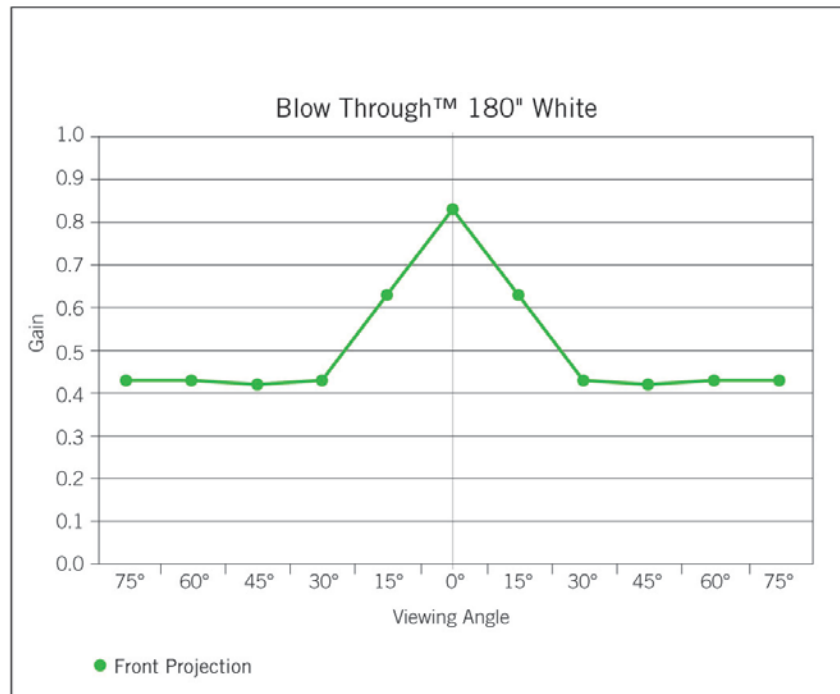
Inherently Flame Retardant
70% Polyester/30% Cotton

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Flame Retardant

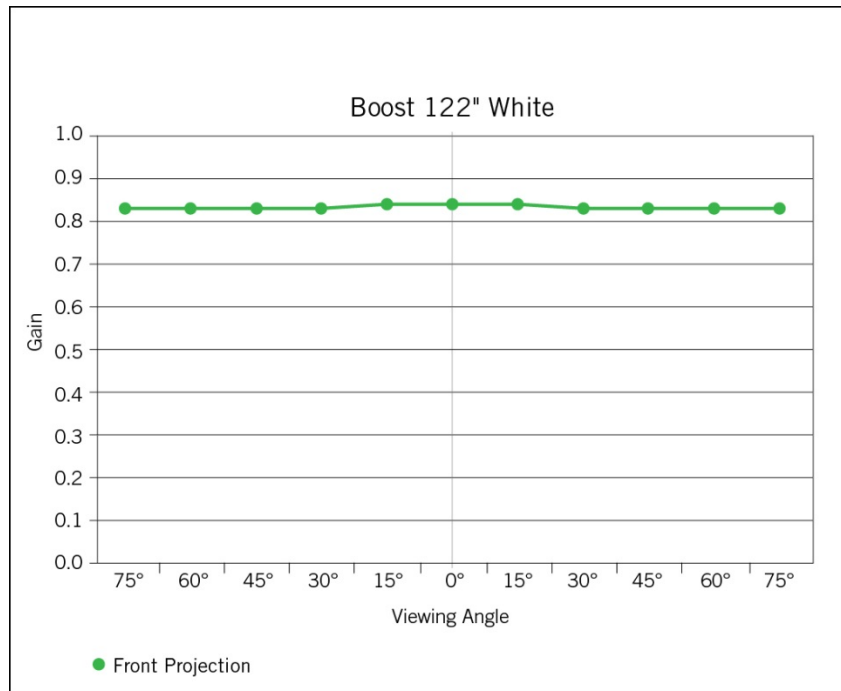
Great for lighting effects and projection, this soft, extra wide white fabric has wind perforations for temporary outdoor uses.

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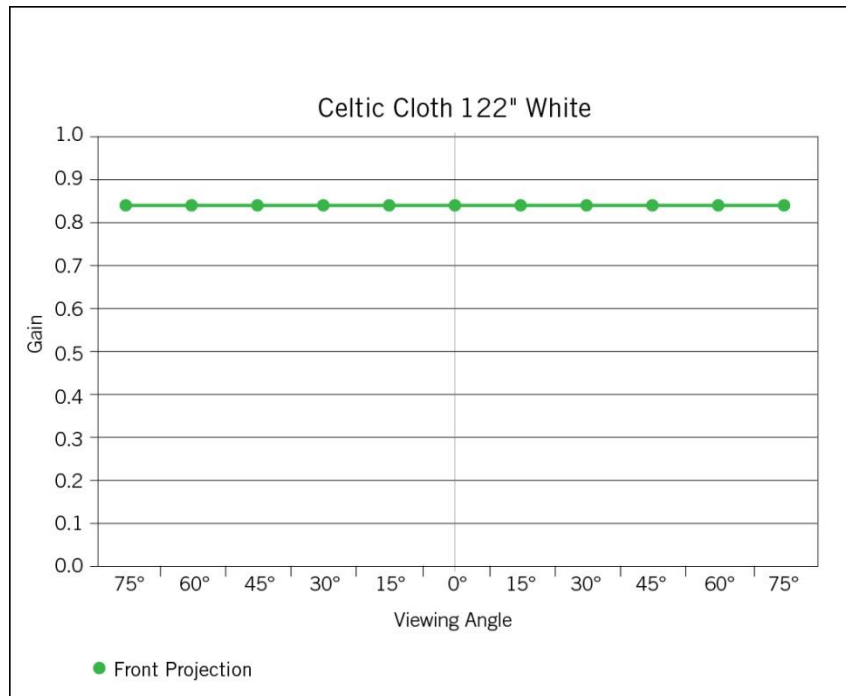
Inherently Flame Retardant
92% Polyester/8% Spandex

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Inherently Flame Retardant

100% Polyester

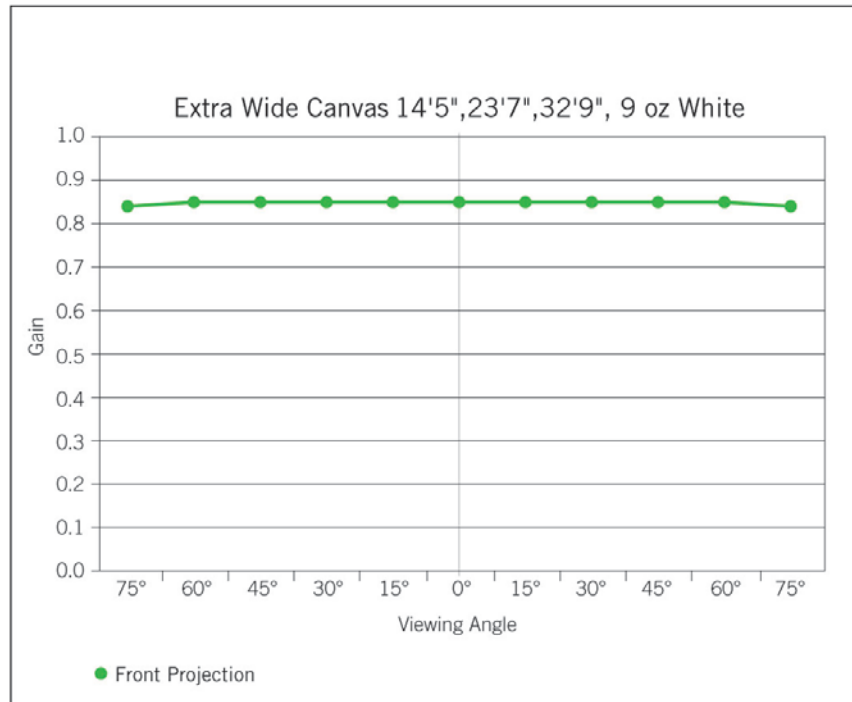
Medium weight knit in wide widths, with a very soft hand. Wrinkle resistant with a slight stretch that makes a great screen surface when tensioned. Great as a lightweight yet robust touring screen.

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Flame Retardant
100% Cotton

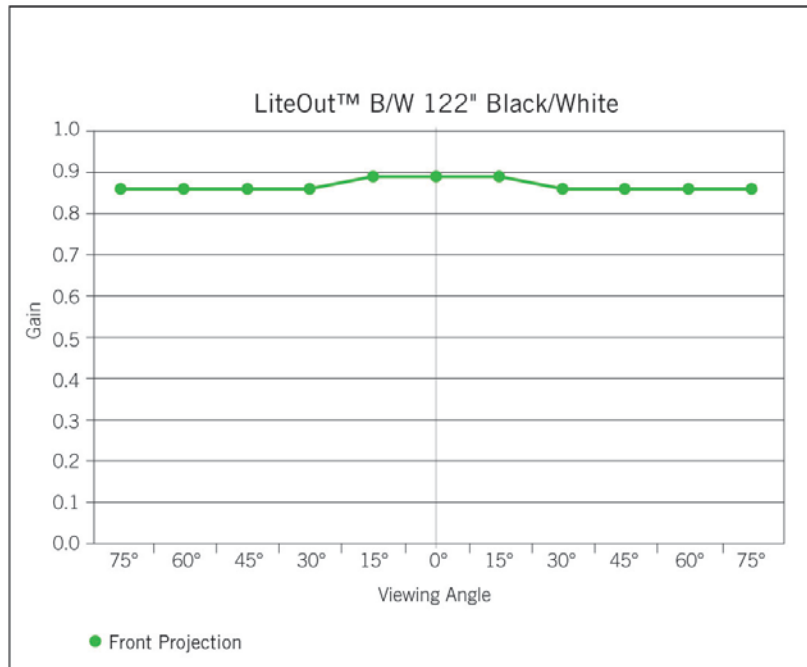
Highest quality, tightly woven 9 oz. canvas in extra-wide width.

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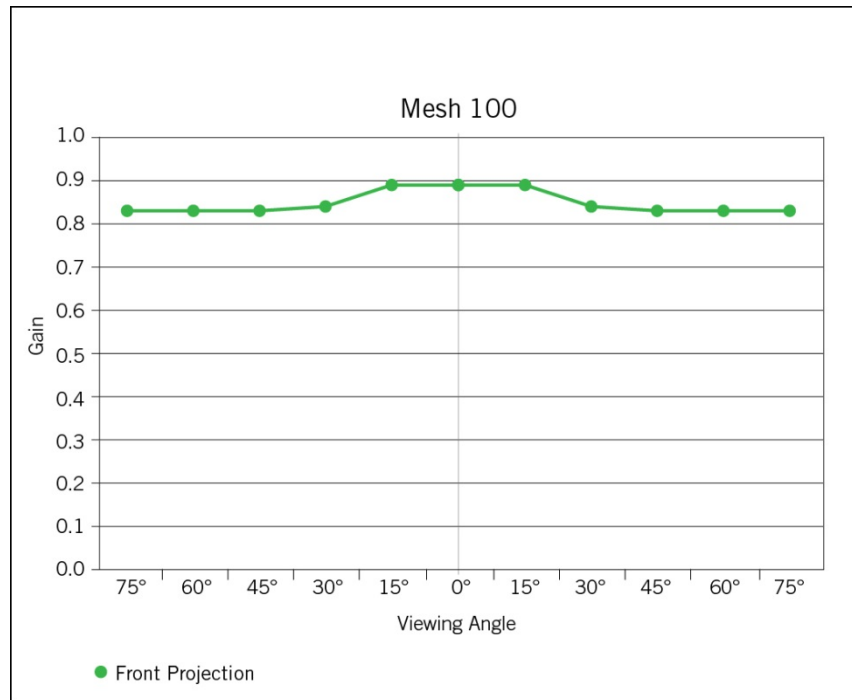
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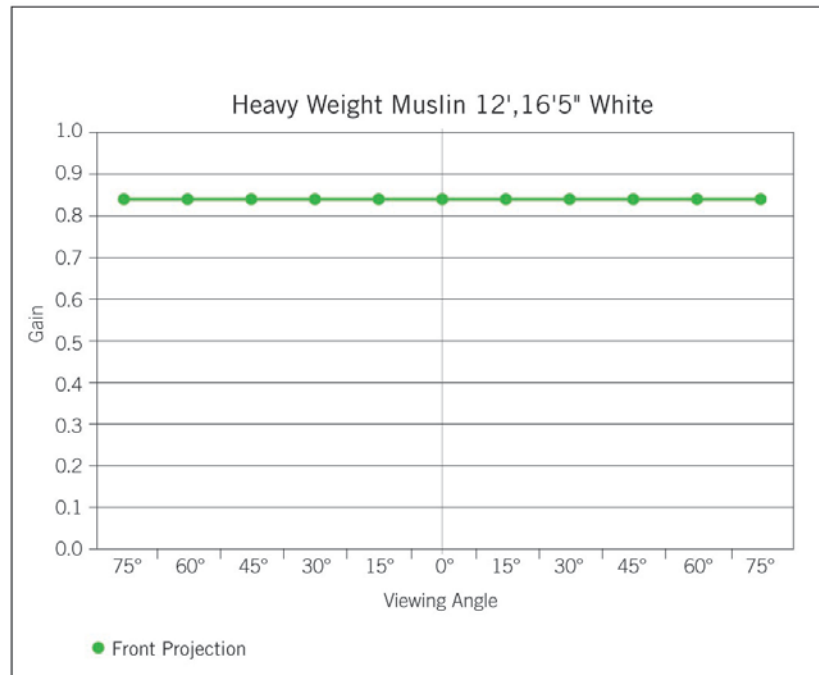
Flame Retardant
PVC Coated Polyester

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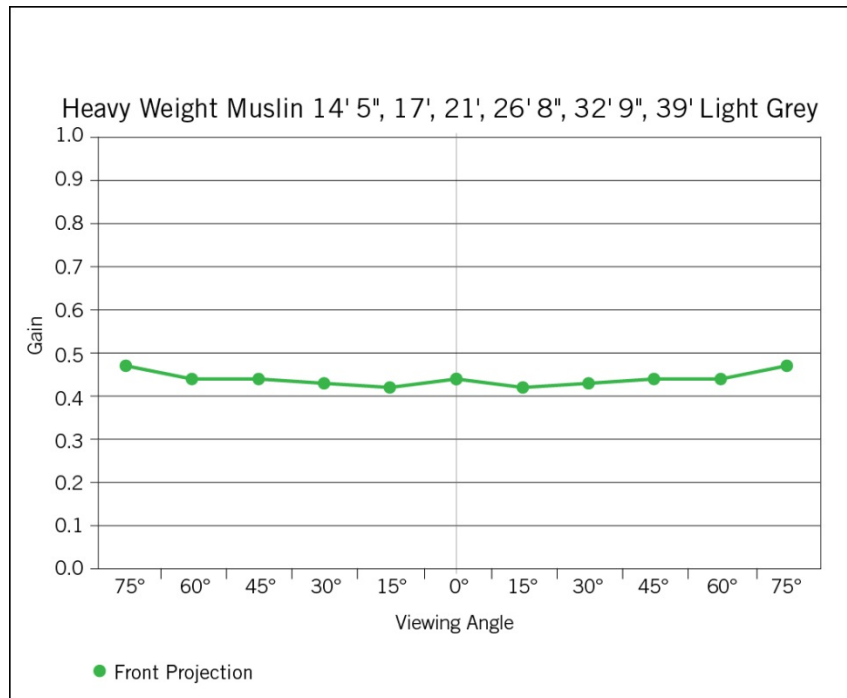
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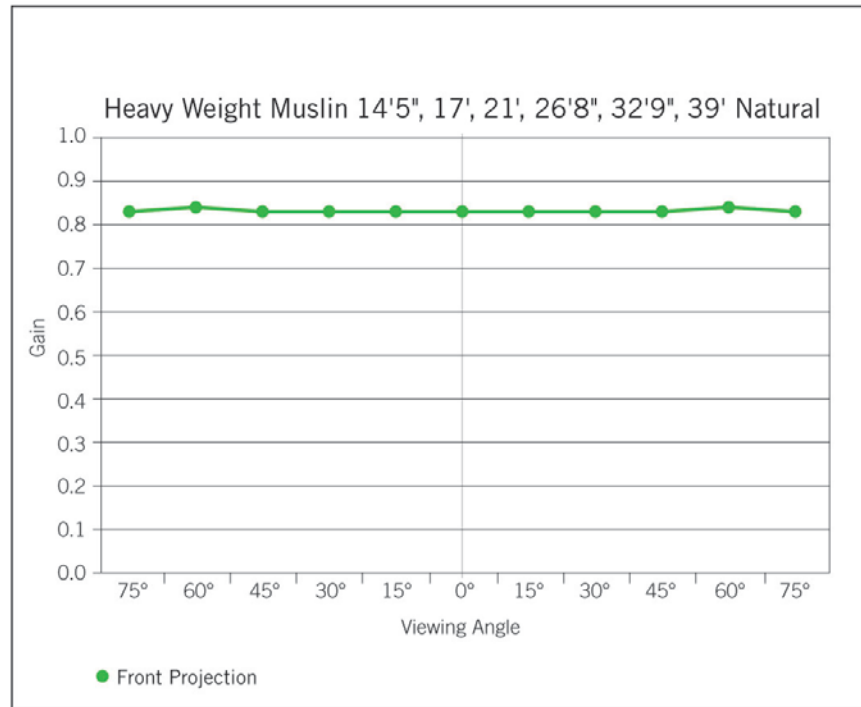
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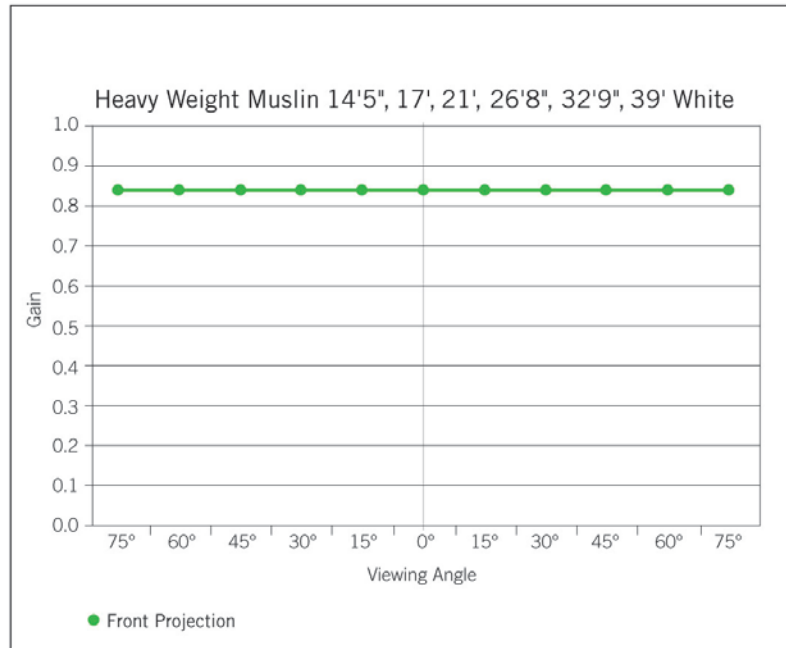
Flame Retardant
100% Cotton

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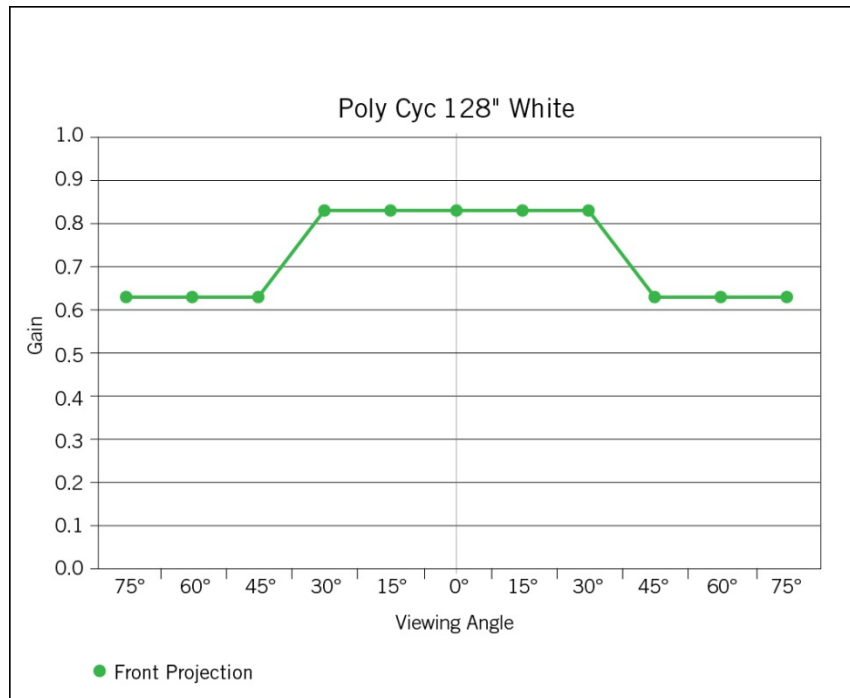
Flame Retardant
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The projector was mounted 6 feet from the surface under test. A quarter circle with a 6 foot radius was marked on the floor with measurement positions established at 15 degree increments: on-axis, 15, 30, 45, 60 and 75 degrees. The brightness of the surface under test was measured from each of these positions and color analysis was done on axis. Each of the fabrics now has a preset Windows color calibration profile available for the Panasonic projector used in the tests.

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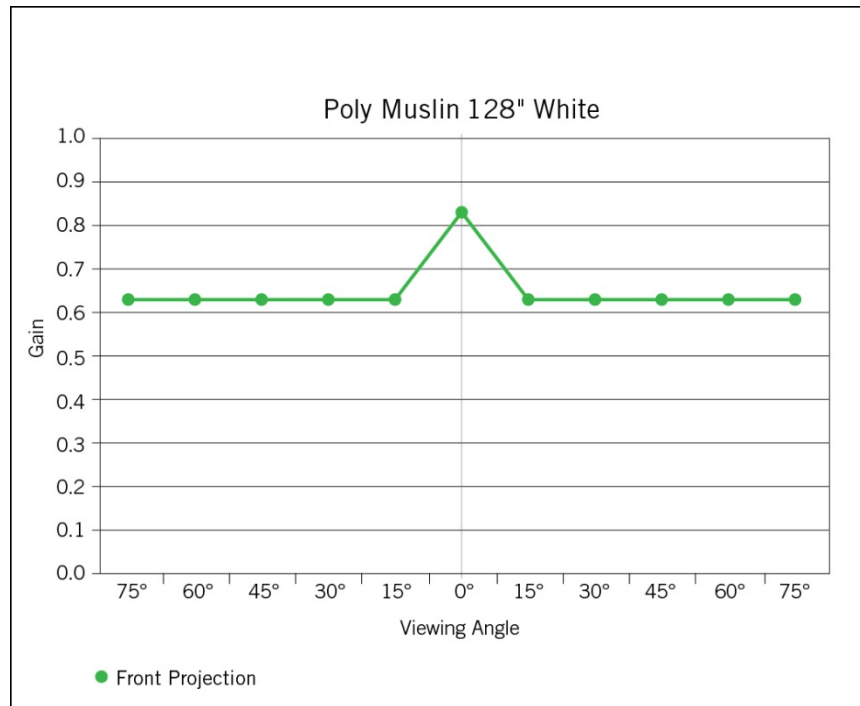
Inherently Flame Retardant
100% Polyester

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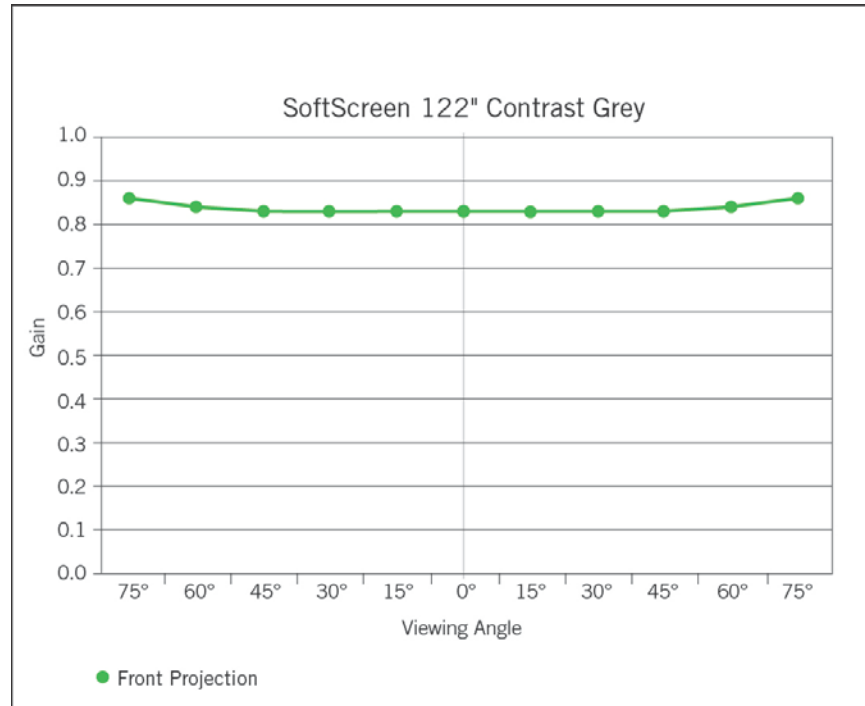
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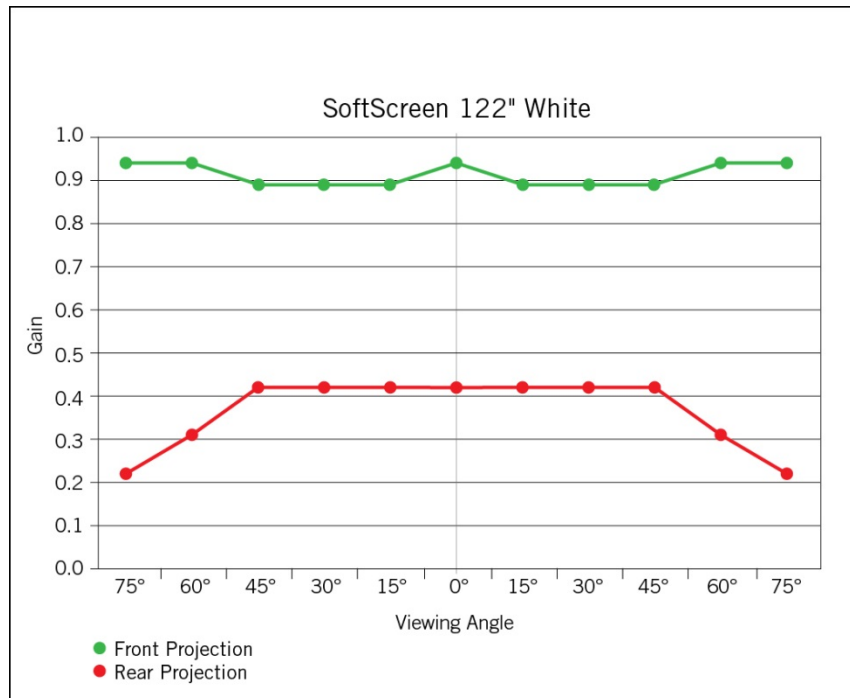
Excellent front and rear projection results with minimal hot-spotting. Very soft and wrinkle resistant, SoftScreen is great for touring and events. It deploys smoothly right out of the bag with just enough stretch to create a nice tight surface.

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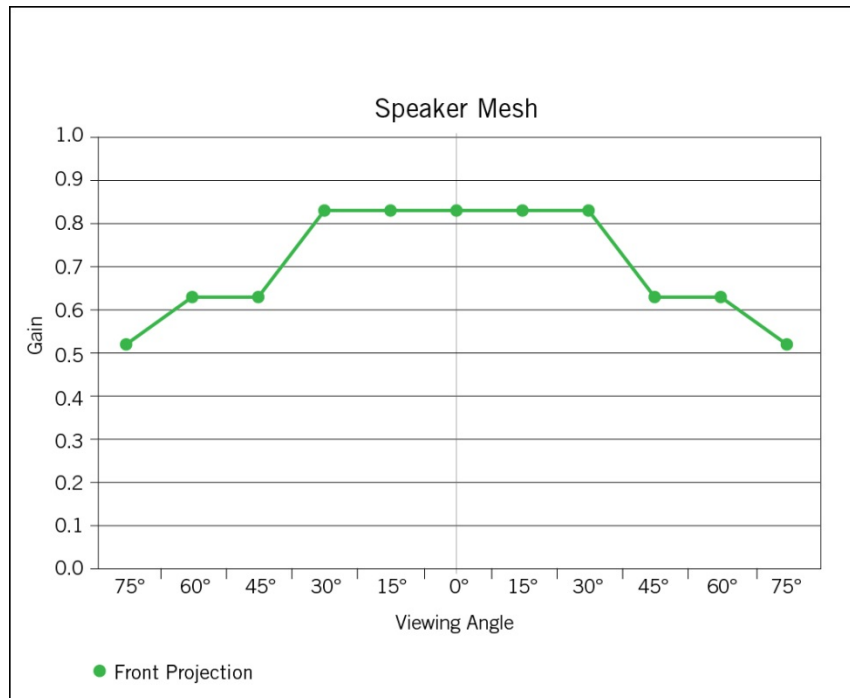
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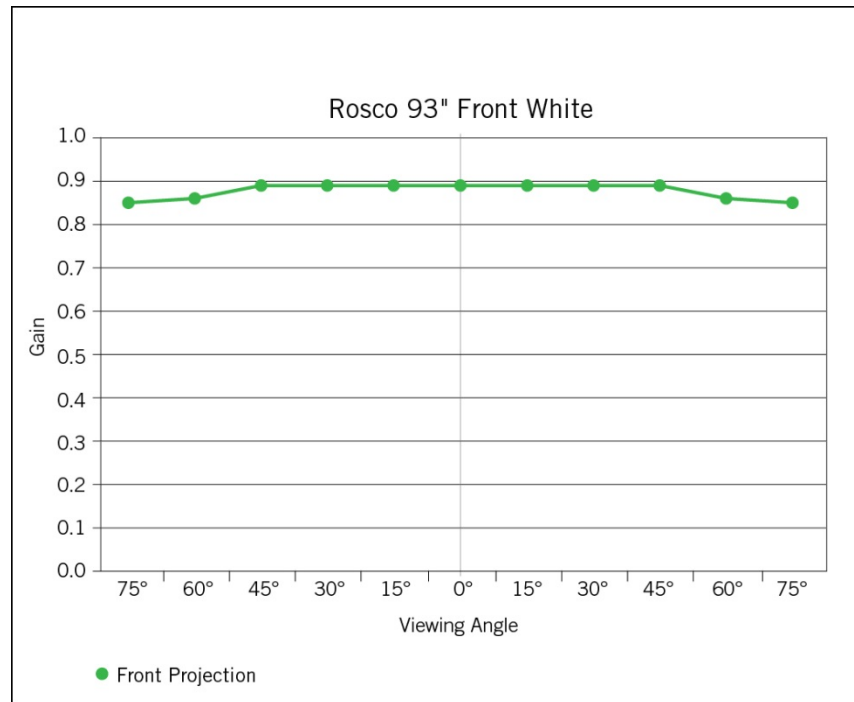
Flame Retardant
PVC Coated Polyester

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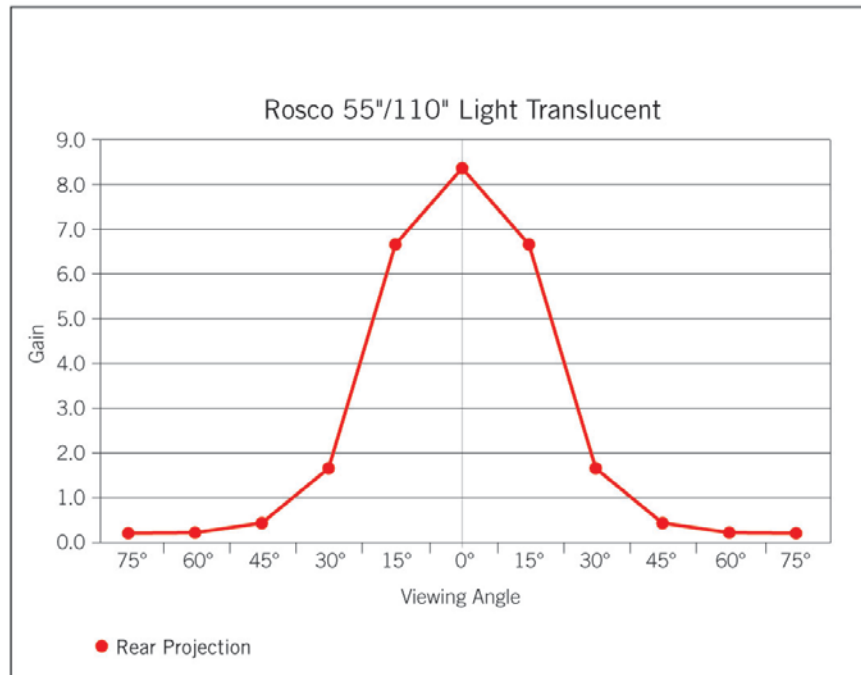
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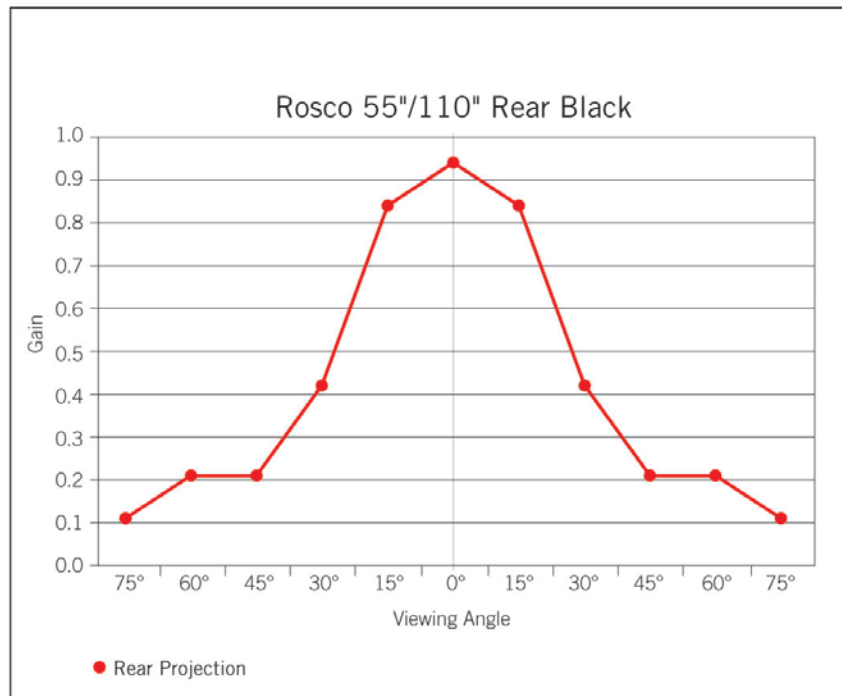
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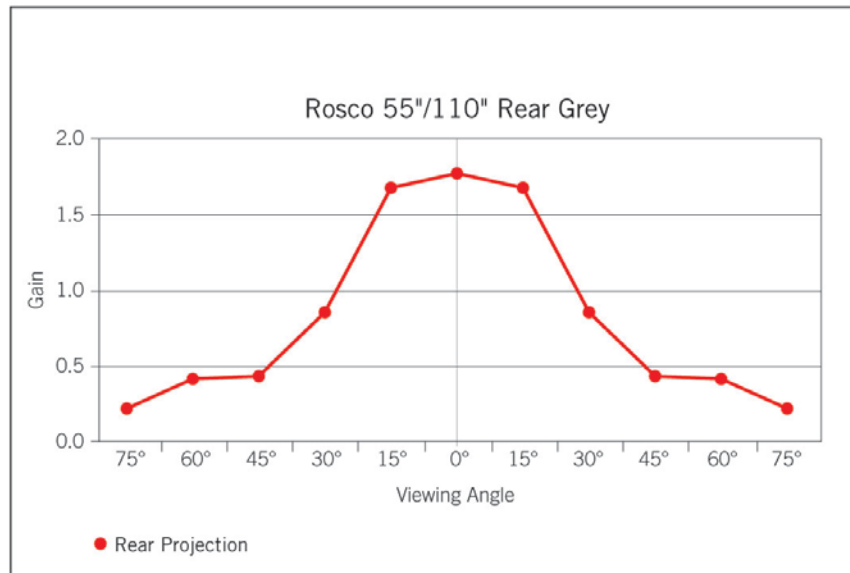
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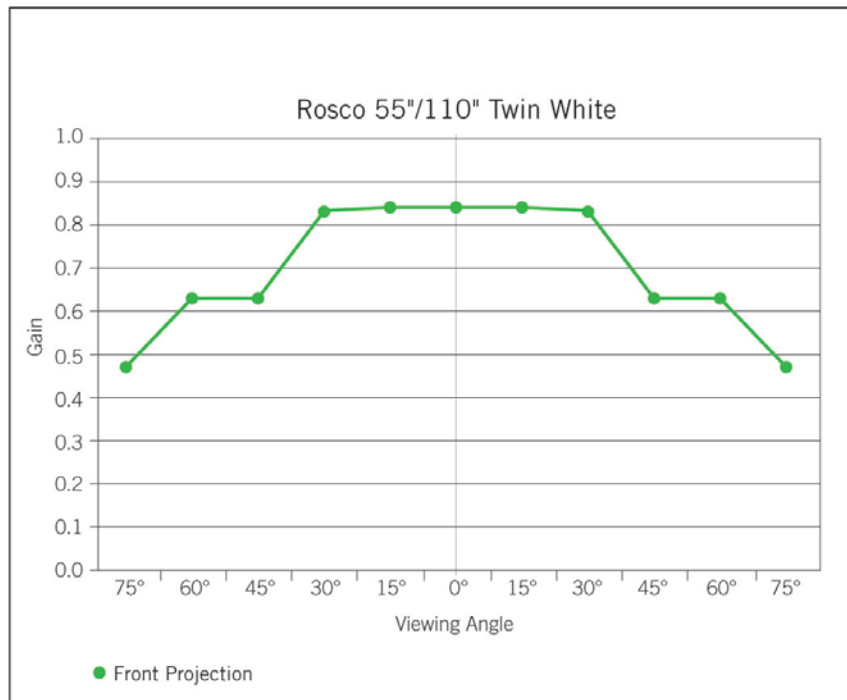
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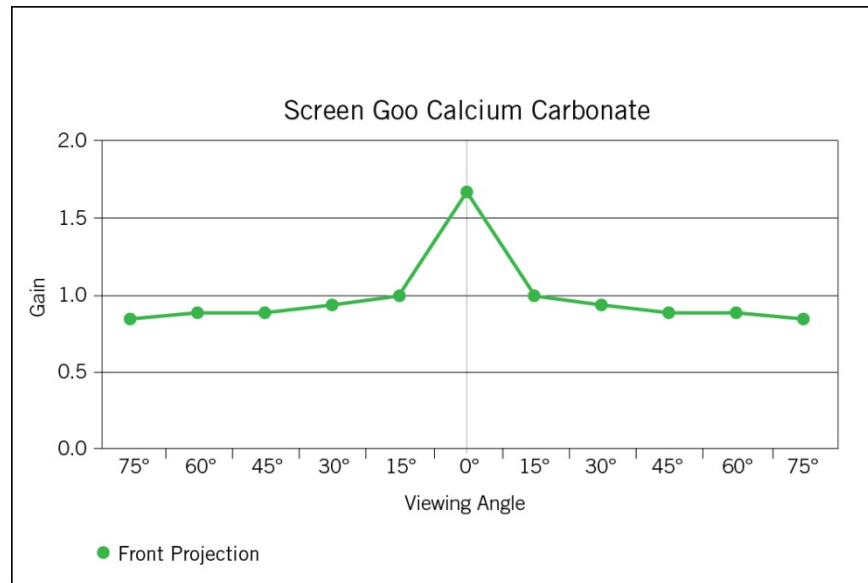
Best suited for rooms with complete light control - Use with projectors producing >12 ANSI Lumens per square foot of screen area. To create a Screen Goo Basic White Screen you will need to apply two coats of Screen Goo Basic White.

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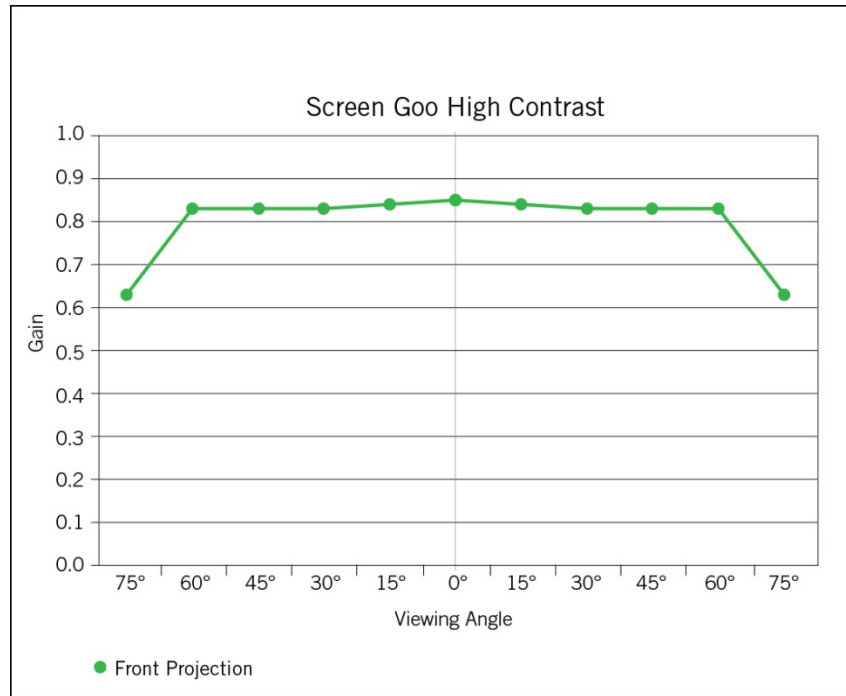


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Best suited for rooms with moderate ambient light levels - Use with projectors producing >25 ANSI Lumens per square foot of screen area.

To create a High Contrast Goo Screen you will need to apply **both** a High Contrast Reflective Coat followed by a High Contrast Finish Coat.

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Best suited for rooms with complete light control - Use with projectors producing >12 ANSI Lumens per square foot of screen area. To create a Reference White Goo Screen you will need to apply **both** a Reference White Reflective Coat followed by a Reference White Finish Coat.

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