

Screen Material Selection Guide

Screen Material	AcousticPro UHD	AcousticPro 1080P3	CineGrey	CineGrey 5D	CineWhite	MaxWhite B	MaxWhite	MaxWhite FG
Applications	Home Cinema with Speakers behind screens	Home Cinema with Speakers behind screens	Home Cinema	Rooms with ambient light conditions	Versatile for Multiple Applications	Versatile for Multiple Applications	Versatile for Multiple Applications	Versatile for Multiple Applications
Material	Fabric (Synthetic Weave)	Fabric (Angular Weave)	Tension Grey (PVC)	Tension 3D Polarized Silver (PVC)	Tensioned White (PVC)	Multi-Layer Weave	Multi-Layer Weave	Fiberglass reinforced
Type	White Sound Transparent	White Sound Transparent	High Contrast Gray	Ambient Light Rejecting	White	White	White	White
Screen Gain	1.0	1.0	1.0	1.5	1.1	1.0	1.1	1.1
Viewing Angle	180°	180°	160°	80°	180°	180°	180°	180°
Mildew Resistant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hand Cleanable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wall & Ceiling Screens	Spectrum, Evanesce, Saker Tab-Tension	SableFrame, ezFrame Series, Lunette, Designer Cut	SableFrame ezFrame, CineTension2, Designer Cut	SableFrame, ezFrame, Designer Cut	Designer Cut, SableFrame, SableFrame2, ezFrame, ezFrame2, ezFrame Plus, Aeon, Lunette, Lunette2, Cine Tension 2, Evanesce Tab-Tension, Evanesce Tab-Tension B	Manual B	Manual, Manual SRM, Spectrum, Spectrum Tab-Tension	Manual SRM Pro, VMAX2, Home2, Spectrum 2, Saker, Saker Tab-Tension, Evanesce B, Evanesce, Evanesce Plus
Floor Rising Electric Screens								Kestrel Home, Kestrel, Kestrel Stage
Portable Screens					QuickStand, Yard Master 2	Tripod B	DIY Wall, PicoScreen, Tripod, Tripod Pro, Tripod Stage, ezCinema, ezCinema Plus, Reflexion	QuickStand 5-Second
Whiteboard & Pliable Screens								

Note: Most screen materials listed above are in stock for each series with the exception of a few requiring them to be custom made and may be subject to special order and delivered in 60-90 days.

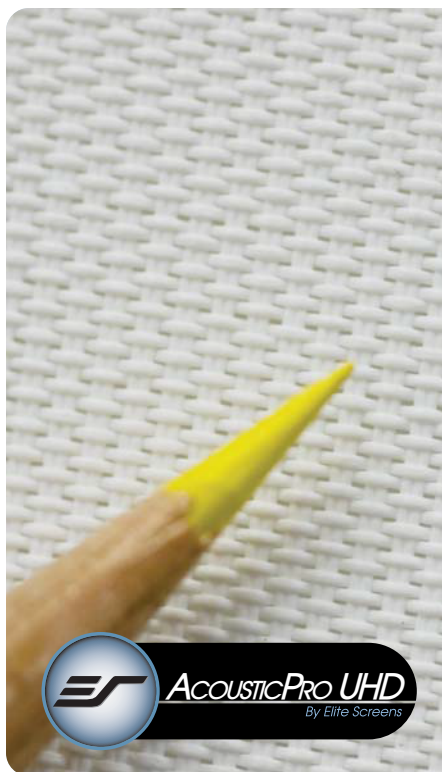
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Screen Material	Spectra White FG	MaxWhite Plus	PowerGain	VersaWhite	StarBright 4	WraithVeil	WraithVeil 2
Applications	Versatile for Multiple Applications	Versatile for Multiple Applications	Specialized Enhanced Gain Material	Training Facilities, Education, Commercial	Training Facilities, Education, Commercial	Rear Projection	Clear windows in Retail Storefronts
Material	Fiberglass reinforced	Ultra-Wide reinforced	Tension Pearlescent (PVC)	Dry-Erase & Projection Screen Surface	Dry-Erase Projection Screen Surface	Tension PVC	Self-adhesive optical PET film
Type	White	White	High Gain Ambient Light Rejecting	Scratch-Resistant Optical nanotech resin	High Gain w/ Ambient Light Rejecting Technology	Rear Gain	Rear Gain
Screen Gain	1.1	1.1	1.8	1.1	4.0	2.2	2.2
Viewing Angle	180°	180°	120°	180°	70°	160°	180°
Mildew Resistant	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hand Cleanable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wall & Ceiling Screens	Starling, Starling Tab-Tension	VMAX Plus3, VMAX Plus4	Sable Frame CineTension2			CineTension2, ezFrame	
Floor Rising Electric Screens							
Portable Screens				PicoSport	PicoSport	DIY, DIY Pro, QuickStand, Yard Master, Yard Master2	
Whiteboard & Pliable Screens				WhiteBoardScreen Universal, Insta-DE, Insta-DEM, Insta-DE2, Insta-DE2a	WhiteBoardScreen		Insta-RP, Insta-RP2

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AcousticPro UHD

Gain: 1.0
View Angle: 180° (90° L/R)

Acoustically Transparent Angular Weaved Front Screen Material

The AcousticPro UHD (ultra-high definition) is a self-supported acoustically transparent front projection screen material. The dense synthetic weave is compatible with Ultra-High Definition/4K resolutions while mitigating light penetration for a brighter picture. The AcousticPro UHD design maximizes sound penetration with minimal attenuation without compromising picture quality. The AcousticPro UHD material's wide diffusion uniformity offers a broad viewing angle with superb picture quality across the entire surface. This provides equal brightness levels on or off axis.

- Wide diffusion uniformity – maintains luminance levels throughout entire surface
- Mildew Resistant
- Flame Retardant
- 4K UHD and Active 3D ready

Available on: Evanesce, Spectrum & Saker Tab-Tension



AcousticPro4K

Gain: 1.1
View Angle: 160° (80° L/R)

Acoustically Transparent Woven Screen Material

The AcousticPro-4K has an ultra-white front projection screen surface with a 1.1 gain that provides excellent color neutrality for superb color reproduction along with wide diffusion uniformity. The angular weave is designed to handle 4K (4096x2160) and 1080P (1920x1080) projectors while eliminating the visual artifact now as moiré effect. The dense mesh of the material with its ultra-fine perforations creates a projection canvas that almost identically resembles our best-selling and award winning Cine-White material. The virtual absence of the acoustic perforations means sound is not compromised and a clear sonic transparency is achieved.

- Acoustically Transparent Matte White (sheer weave)
- Gain: 1.1 (magnesium carbonate control)
- Superb off-axis luminance
- Optimal color neutrality; color shift is not compromised
- Moiré-free
- Designed for both 1080P (1920x1080) and 4K (4096x2160) projector resolutions
- Black backing eliminates backlighting artifacts from light bleed-through

Exclusive for EPV products only

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CineWhite

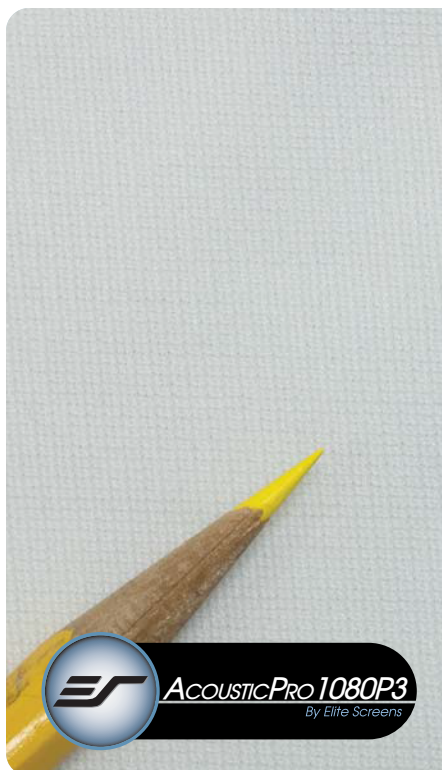
Gain: 1.1
View Angle: 180° (90° L/R)

Tensioned PVC Front Projection Material

CineWhite (Tension White) has broad light dispersion through diffusion uniformity, black & white contrast and true color rendition making it the most versatile material in Elite's tension screen product lines. This tension PVC surface is the best choice for today's high-contrast ratio projector in commercial or residential presentations. The CineWhite™ matte white material equals the performance to our MaxWhite product, but improves the experience with superior surface flatness. Uniform diffusion surface has black-backing to eliminate light penetration and is easily washable with mild soap and water.

- Multi-Layer PVC with Texture and Surface Coating
- Mildew Resistant
- Black backing

Available on: CineTension2, Evanesce Tension B, Evanesce Tension, ezFrame, ezFrame 2, SableFrame, Aeon, SableFrame 2, Lunette, Lunette 2, QuickStand & Yard Master 2



AcousticPro1080P3

Gain: 1.0
View Angle: 180° (90° L/R)

Acoustically Transparent Angular Weaved Front Screen Material

The AcousticPro 1080P3 is an acoustically transparent front projection material. The angular weave eliminates the moire effect while presenting warm neutral colors for today's high definition 1080P (1920x1080) projectors. The AcousticPro 1080P3 allows speaker placement behind while allowing an exceptional acoustically transparent performance.

- Acoustically Transparent Matte White (angular tight weave)
- Superb off-axis luminance
- Designed for 1080P (1920x1080) projector resolutions
- Detachable black backing eliminates backlighting artifacts from light bleed-through
- Mean attenuation of -3.09 dB at 8k – 20kHz

Available on: SableFrame, ezFrame & Lunette

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CineGrey

Gain: 1.0
View Angle: 160° (80° L/R)

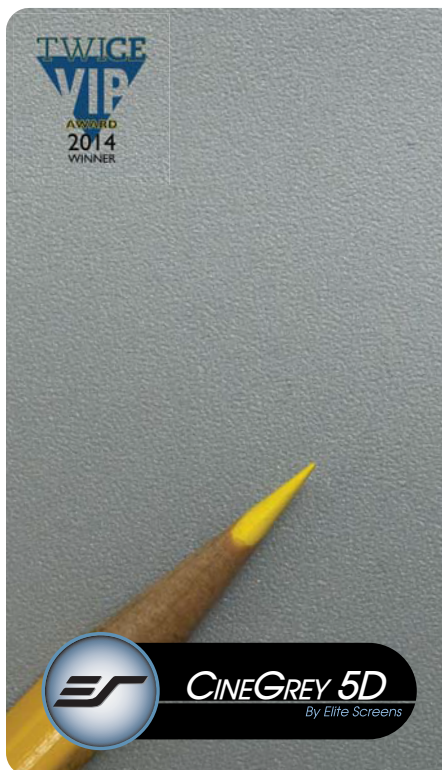
Tensioned PVC Front Projection Contrast Material

CineGrey (Tension High Contrast Grey) is designed for low contrast DLP and LCD Home Cinema Projectors. Its superior flatness makes the CineGrey ideal for home theater use. It enhances black levels while minimizing loss in color reproduction. Uniform diffusion surface has black-backing to eliminate light penetration and is easily washable with mild soap and water.

*Manufacturer's tip: if your projector's contrast ratio is more than 2000:1, we recommend you use CineWhite material for a brighter picture.

- Multi-Layer textured PVC with Surface Coating
- Mildew Resistant
- Black backing
- Surface can be cleaned with moist cotton cloth (water)

Available on: Designer Cut, CineTension2, ezFrame, ezFrame 2, SableFrame & EPV Peregrine HD Fixed Frame



CineGrey 5D

Gain: 1.5
View Angle: 80° (40° L/R)

Ambient Light Rejecting 2D/3D Screen Material

CineGrey 5D is an ambient light rejecting front material for 2D and Active or Passive 3D Stereoscopic presentations. The high gain/contrast properties improve the brightness and contrast levels in ambient light environments for both 2D and 3D.

- High fidelity gray surface produces superb clarity and sharp images
- Screen Surface can be cleaned with mild soap and water
- 88% polarization retention
- Angular-Reflective and Ambient Light Rejecting technology
- Mildew Resistant
- Perfect companion piece for Airflex5D - 2D/3D Multi-Projector Stacking System to form as a professional grade passive 3D system

"The material was reasonably color neutral. It appeared to have a very smooth surface. It also had many sparkling elements to increase the gain. This material is intended to aid in rooms with significant scattered light from walls and ceilings. This is an excellent alternative to a Firehawk."

- W. Jeff Meier, AV Consultant
www.accucalhd.com

Available on: ezFrame

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"Many thanks to Elite Screens for delivering ISF certified screens with accurate color!"

Joel Silver, President,
Imaging Science Foundation

DarkStar™ 9

Gain: 0.9
View Angle: 180° (90° L/R)

Ambient Light Rejecting Front Projection Material

The DarkStar® 9 possesses very similar characteristics of our award winning 1.4 gain DarkStar® but now offers a wider viewing angle and a very close to unity gain without the compromise of ambient light rejection, contrast enhancement, resolution, and color accuracy. As opposed to the 1.4 gain material of the original DarkStar® material, the DarkStar® 9 tones down the reflective brightness to .9 gain so that it may further enhance color temperature to more optimal performance levels with a wider viewing angle. Although both DS materials boast D65 color neutrality, the DarkStar®; 9 sacrifices the extra brightness to improve its color balance.

- Wide viewing angle
- Active filters absorb ambient light from above – Does not reflect back as non-optical screens do and produce a washout effect
- 6x contrast increase over standard matte white screens
- Uniformity across entire screen surface with no color shift, texture, bright spots, or dark corners
- Color accurate: Complies with SPMTE .004 standards in dark room environments
- Certified by the Imaging Science Foundation
- Full HD, Ultra HD, and 4K compatible



DARKSTAR⁹

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DarkStar™

Gain: 1.4
View Angle: 70° (35° L/R)

Ambient Light Rejecting Screen Material

The DarkStar™ is a professionally engineered Ambient Light-Rejecting front projection material. It incorporates optical filters that actively reflect a projected image while preventing indirect or ambient light from “washing out” the picture. The 0.3mm thick retro-reflective material has been designed specifically for the home theater environment. With the sublime balance of gain, contrast and viewing angle, the DarkStar™ brings a hard-hitting performance to both well-lit or dark room.

- Direct light reflection technology
- Special neutral black tint maintains color balance and contrast with high gain
- Scratch-resistant protective outer coating
- Multiple layers interact artifact-free without glare



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MaxWhite

Gain: 1.1
View Angle: 180° (90° L/R)

Front Projection Screen Material

MaxWhite Screen Material is the most versatile screen surface for front projection presentations. This material provides the widest possible viewing angles with perfect diffusion uniformity.

It gives precise definition, image color reproduction and black & white contrast. Screen material has black backing to prevent light penetration and can be cleaned safely with mild soap and water. Woven screen material is a, multi-layer, cross-array coated with a matte white reflective compound.

- Multi-Layer Weave and Textured Surface Coating
- Mildew Resistant
- Black Backing
- Screen Surface can be easily cleaned

Available on: Manual, Manual SRM, Tripod, Tripod Pro, Tripod Stage, VMAX2, ezCinema, ezCinema Plus, Reflexion, DIY Wall, Spectrum, Spectrum Tab-Tension & PicoScreen™



MaxWhite FG

Gain: 1.1
View Angle: 180° (90° L/R)

Fiber Glass-Backed Woven Front Projection Screen Material

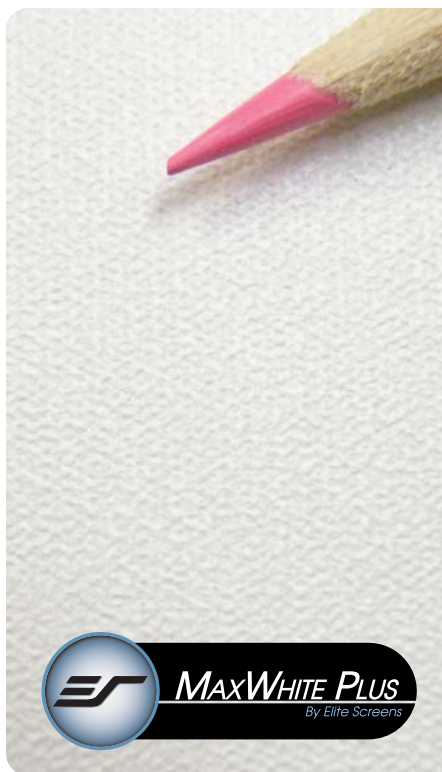
MaxWhite FG is fiber glass backed for added stiffness which provides the flattest possible non-tensioned screen surface with universal applications. This material has uniform diffusion while giving precise definition, color reproduction and black & white contrast. The screen surface has a black-backing to eliminate light penetration. It is mildew resistant and washable with mild soap and water.*Manufacturer Tip: This is an enhanced matte white product for higher end DLP/LCD projectors. It is suitable for commercial or residential presentations.

- Multi-Layer Weave with black fiber glass backing
- Mildew Resistant
- Screen Surface can be easily cleaned

Available on: Home2, VMAX2, Manual SRM Pro, Spectrum2, Saker, Saker Tab-Tension, Evanesce, Evanesce B, Evanesce Plus, QuickStand 5-Second, Kestrel, Kestrel Home & Kestrel Stage

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MaxWhite Plus

Gain: 1.1
View Angle: 160° (80° L/R)

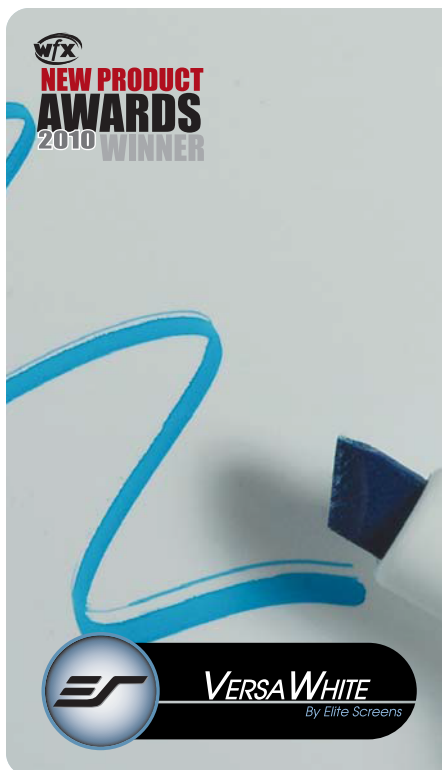
Woven Front Projection Screen Material

MaxWhite Plus Screen Material is the newest 5-meter seamless front projection material for 200"-400" commercial sized screens. Since the material is seamless, there is a total absence of piece lines that can ruin the effect of a presentation. Its diffusion uniformity, precise definition, color reproduction and black & white contrast makes it a superb large room presentation screen. Screen Surface can be cleaned safely with mild soap and water. Woven screen material is a, multi-layer, cross-array coated with matte white reflective compound and fiberglass backed for enhanced flatness.

- Multi-Layer Weave and Textured Surface Coating
- Mildew Resistant
- Black Backing
- Screen Surface can be easily cleaned
- Seamless up to 5m width



Available on: VMAX Plus3 & VMAX Plus4



VersaWhite

Gain: 1.1
View Angle: 180° (90° L/R)

Multi-layer Matte White Front Projection Screen with dry erase surface

Elite's VersaWhite material performs as versatile as a Matte White screen material with the addition of being a dry-erase surface as well. The surface is coated with a transparent dry-erase layer for use as a whiteboard while keeping uniform diffusion and enhancing true color rendition. Ideal for short throw projectors.

- Unique optical coating with high uniformity, picture clarity and dry-erase capability
- Mildew Resistant
- Surface can be cleaned as Dry Erase White Board



Available on: WhiteBoardScreen™ Universal, Insta-DE, Insta-DE2 & Insta-DEM

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WraithVeil

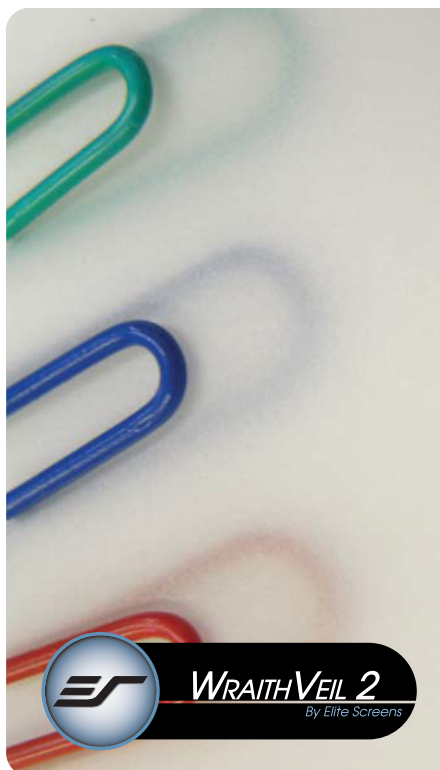
Gain: 2.2
View Angle: 160° (80° L/R)

Tensioned PVC Rear Projection Material

WraithVeil is our rear projection screen material. It has a high gain performance for applications with a high levels of ambient light. Its 2.2 gain configuration is ideal for events such as clubs, restaurants, tradeshow, meeting rooms, and outside evening presentations. Its special surface coating enhances color reproduction and black level contrast with wide diffusion uniformity for large audiences. Seamless screen sizes are available in sizes up to 200" in 4:3 or 16:9 aspect ratios.

- Textured PVC with surface coating
- Mildew Resistant
- Screen Surface can be easily cleaned

Available on: ezFrame, QuickStand, Yard Master, Yard Master 2, DIY Screen, DIY Pro & CineTension2



WraithVeil 2

Gain: 2.2
View Angle: 180° (90° L/R)

Rear Projection Material

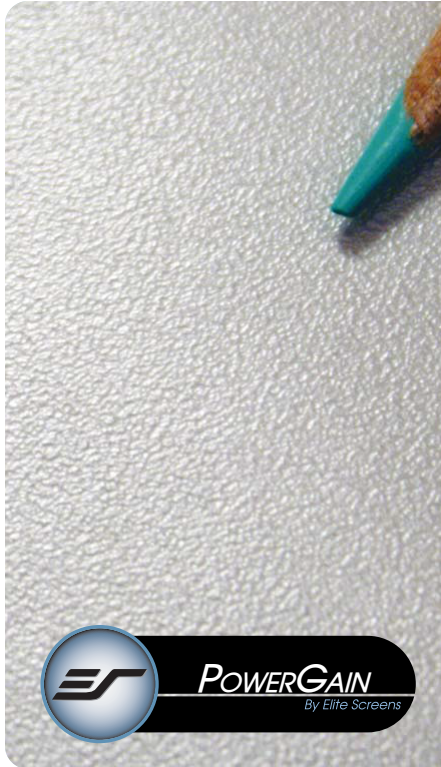
WraithVeil 2 is a self-adhesive optical rear projection screen material. It is applied to clear glass/Plexiglass panels for the purpose of converting them into rear projection screens. Application is simple. Clean and moisten the glass surface, remove the protective film and apply. Wraith Veil 2 material is ideal for retail store windows, hanging signage, commercial offices, restaurants and nightclubs. Its special 2.2 gain brightness is ideal for ambient light while its design enhances color reproduction and black level contrast with 180° wide uniformity. Regular sizes from 74" to 151" measurements are available now. Seamless custom orders can be up to 3000 meters long for large commercial applications.

- Self-adhesive optical rear projection material
- Textured PET (Polyethylene terephthalate) with diffusion layer
- Material is easy to clean and maintain
- Special custom sizes up to 3000 meters long available

Available on: Insta-RP & Insta-RP2

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PowerGain

Gain: 1.8
View Angle: 120° (60° L/R)

Front Projection Tensioned PVC Pearlescent Screen Material

Elite's PowerGain is perfect for environments where total ambient light control cannot be attained. This is an angular reflective material that provides crisp color reproduction, black & white contrast and resists hot spotting in the presence of ambient light. The textured pearlescent material has a black backing to avoid light penetration and is safely washable with mild soap and water. *Manufacturer's tip: Use a high resolution-low output DLP projector for the best results with this material.

- Multi-Layer PVC with textured surface coating
- Mildew Resistant
- Screen Surface can be easily cleaned



Available on: SableFrame & CineTension2