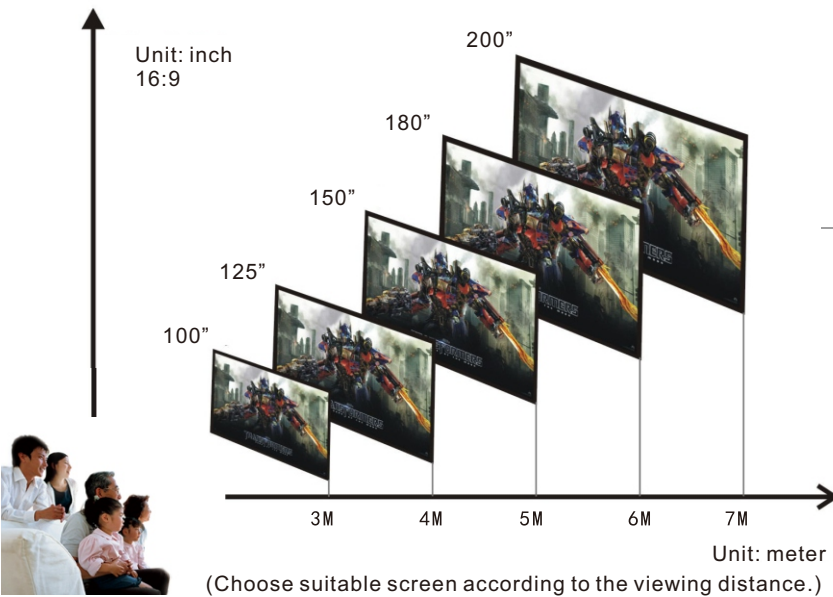


Specification Analysis I



Gain:

The gain number represents a ratio of light that is reflected back from a surface from a light source. This ratio is in relation to the light reflecting off of a block of either barium sulfate or magnesium carbonate, serving as the industry's standard for a gain of 1.0. Screens with a higher brightness than this standard are rated with a gain higher than 1.0, while screens with lower brightness are rated from 0.0 to 1.0.

Viewing Angle:

The angle at which the gain reading drops to 50% of the peak value is known as the Half Gain Viewing Angle. A person viewing the screen from this angle will see an image half as bright as the person seated at the center position. Low gain screens have wider Half Gain Viewing Angles than do high gain screens. That is because the low gain screen diffuses light more evenly over a wider angle of view. A high gain screen is constructed to reflect more of the projector's light energy back toward the centerline of the projection path, and less light energy to the oblique angles of view. Thus brightness falls off more rapidly as you move away from the zero degree viewing axis, and the Half Gain Viewing Angle is relatively narrow.

Choose suitable projection screen:

You may consider above parameters and requirements before purchasing a projection screen.

Suitable Type:

There are various projection screens including wall mounted projector screen, fast fold screen, floor rising screen and so on. At present, wall mounted screens are popular in home theater. Wall mounted screens can be divided into fixed frame screen and motorized projector screen.

Suitable Ratio:

People usually select the ratio according to the resolution of the projector. 4:3 is often used in business and education. 16:9 and 2.35:1 are usually used in home theater. 1.85:1 is usually used in movies.

Suitable Size:

The screen height must be suitable, to ensure that the audience at each row can see the image. In home theater, the distance between the screen and the first row of seats is 2 to 4 times of the screen height. The screen bottom should be 50-90cm off the ground.

Analysis of Acoustic Transparent Fabric

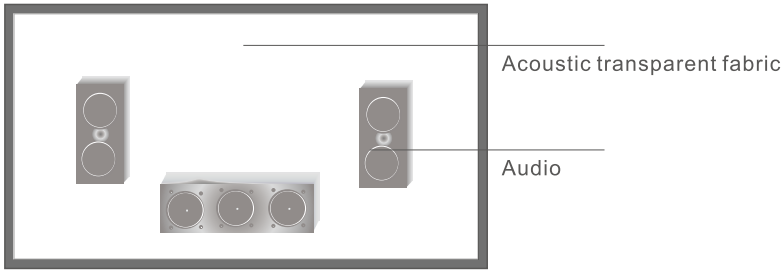
Acoustically transparent materials provide an enhanced theatrical experience. There is nothing that compares to having your front left, front right, and center channel speakers directly behind the screen. All sound effects and dialog come from directly behind the screen for one amazing knock-your-socks off experience. Viewing axis, and the Half Gain Viewing Angle is relatively narrow.

Features of XY Screens 4K Woven Acoustic Transparent Screen Fabric Sound Max4K

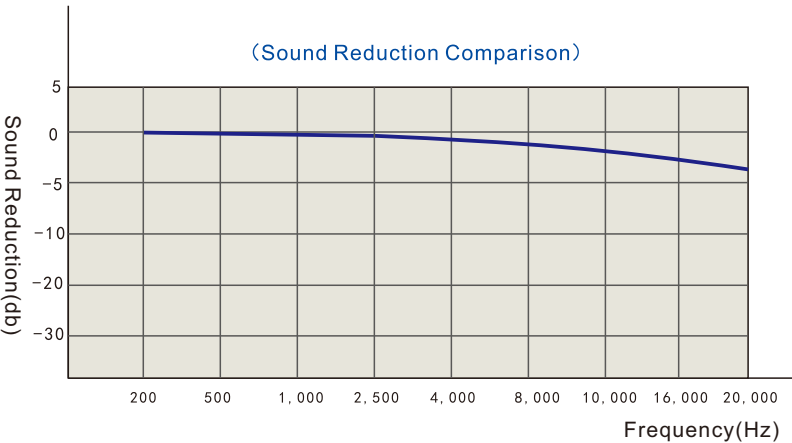
No Moire Interference: Moire occurs when the natural patterns on your projector screen align with the pixel patterns of what is being projected, merging to form lines that run across your screen. This can occur when the projection screen has been weaved too loose, in the case of a woven screen, or has an uneven patterning. The pattern of the screen overlaps with the field of the pixels, creating the moire effect. Moire is becoming a larger issue now with HD projection monitors, as the higher resolution makes the visual more susceptible to imperfections in a coarse screen. XY Screens Sound Max4K is made with a special twill weaving method, which can effectively avoid moire effect. People can enjoy projection images completely free of the moire interference patterns that plague traditional vinyl perforated screens.

Excellent Acoustic Transparency: As the screen is in front of the speaker, when the sound waves pass through the screen, there will be sound loss. Usually users will adjust the sound with the sound amplifier, especially the high frequency part. Sound Max4K material has a special fabric weave for acoustic transparency. The 1.1 Gain matte white mesh material has outstanding sound penetration.

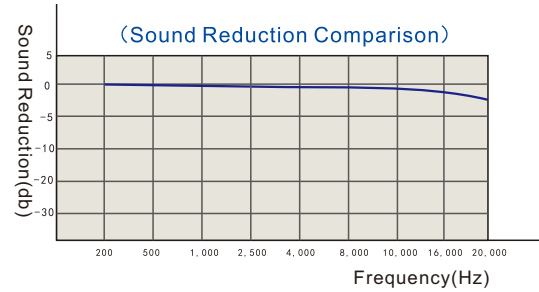
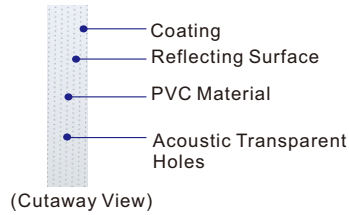
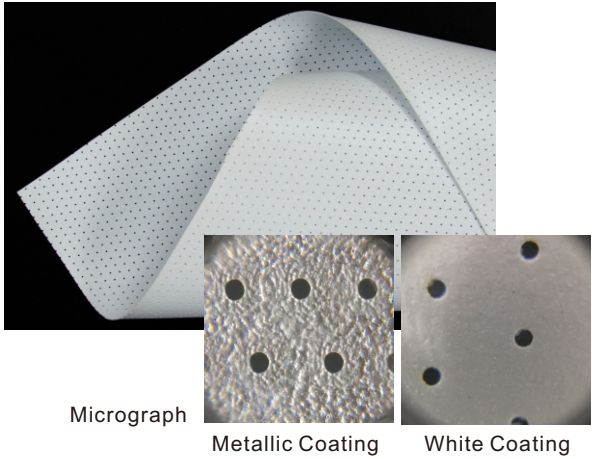
Minimal Brightness and Light Loss: In order for sound to come through the screen there must be holes to let it through, and if there are holes then that must be light from the projector passing through the screen and that means pictures quality may be degraded. Sound Max4K adopts exquisite weaving method. Its holes are tiny, so the light passing through is 58% less than the traditional screens.



Acoustic Transparent Screen Solution



High Gain Perforating Acoustically Transparent Fabric Sound Max5 HG

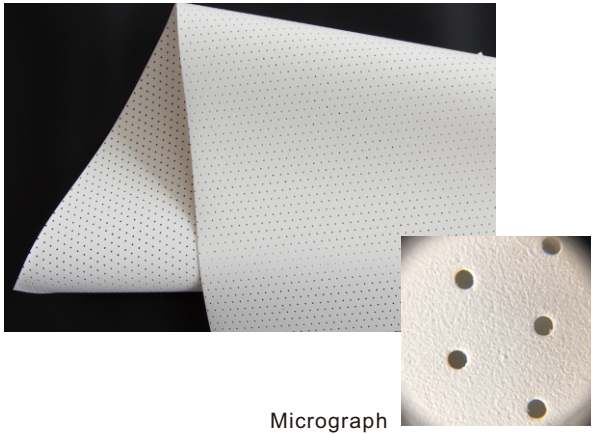


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen, Tab Tension Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
Sound Max5 HG is for front projection, with 0.4 mm hole, which is made of a environmentally friendly PVC. Sound Max5 can meet universal requirement for projection screen because of flexibility and stability. The users can set their speakers behind the screen. What's more, its unique coating technology provides high-quality picture with 1.8 Gain, so it can vividly present a high brightness and high definition image. It's a ideal choice for the home theater and large cinema.

Gain: 1.8-2.4 Viewing Angle: 140 degrees
so the light passing through is 58% less than the traditional screens.

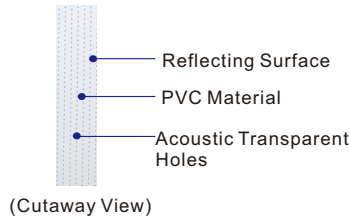
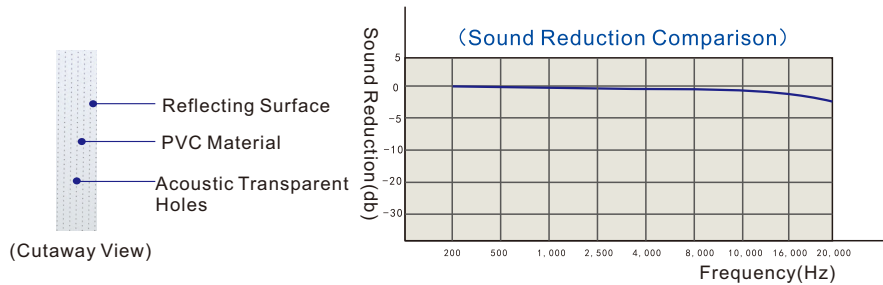
4K Perforating Acoustically Transparent Fabric Sound Max5



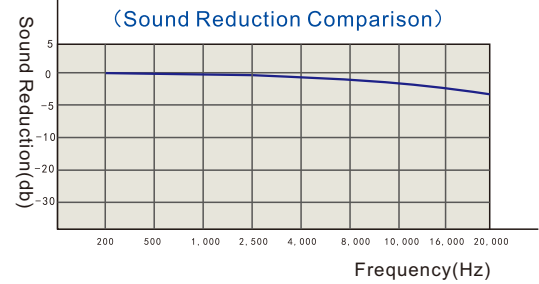
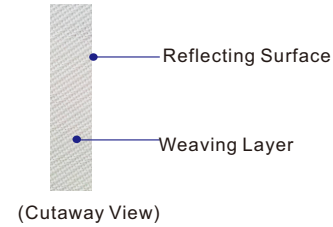
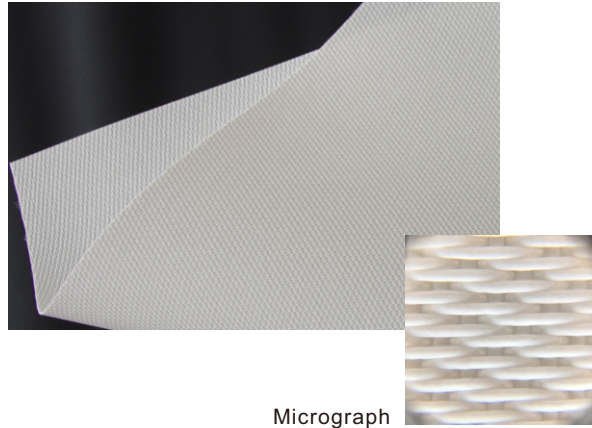
Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen, Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
Sound Max5 is for front projection, with 0.4 mm hole, which is made of a environmentally friendly PVC. Sound Max5 can meet universal requirement for projection screen because of flexibility and stability. The users can set their speakers behind the screen. It's a ideal choice for the home theater and large cinema, while never produces Moire effect. What's more, its unique coating technology provides high-quality picture so it can vividly present the contrast of image sources.

Gain: 0.95 Viewing Angle: 160 degree



4K Woven Acoustically Transparent Fabric Sound Max 4K Sound Max4K

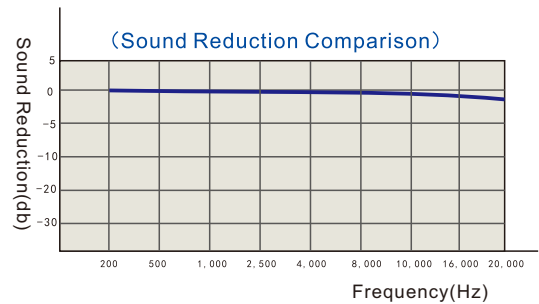
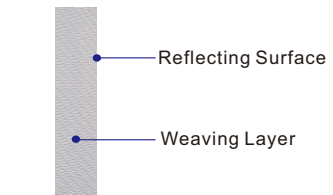
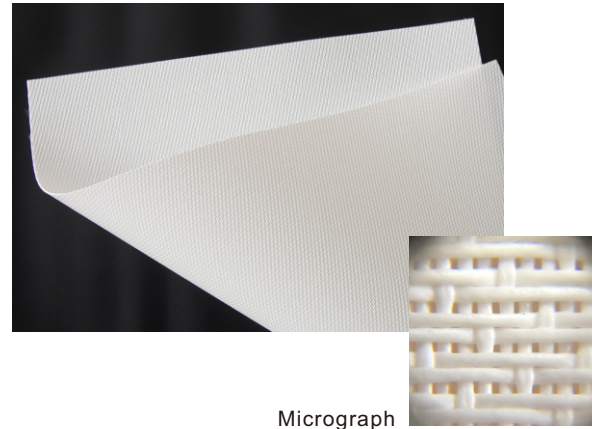


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen, Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
Made of super precision twill woven fabric, Sound Max4K has an important feature that it has many super small acoustic transparent holes, which can get rid of the Moire effect. The image effect can be improved and becomes more natural.

Gain: 1.1 Viewing Angle: 160 degree Light Loss: <1.5%

HD Woven Acoustically Transparent Fabric Sound Max2 Sound Max2

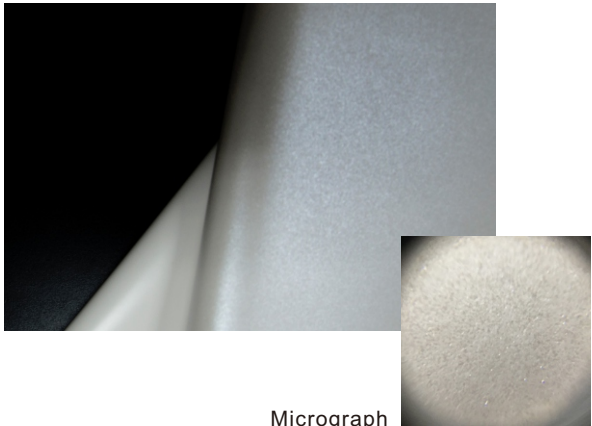


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen, Motorized Projection Screen.
Especially suitable for middle-to-high end theaters.

Specifications:
Sound Max2 can effcetively avoid Moire effect. Also, the small holes can reduce the influence on image quality to minimum, so the image becomes more delicate. It has outstanding color rendition. The white screen fabric has the characteristic of catoptrics. With fine knitting, it can project 1080P images.

Gain: 0.97 Viewing Angle: 160 degree Light Loss: <3%

High Gain Max 4k Flexible PVC Fabric WF1 Pro Max4K HG
WF1 Pro Max4K HG

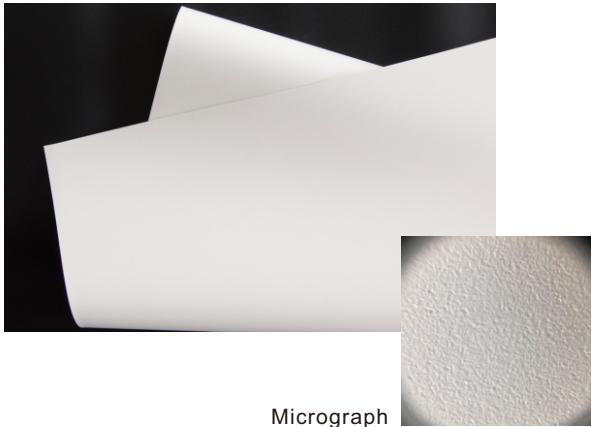


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen,
Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
Using unique coating technology, WF1 PRO Max4K HG is 1.8 Gain and able to provide brighter
and powerful images. It can reproduce the contrast of the image source. As a top-level high gain
white screen, WF1 Pro Max4K HG has perfectly solved some problems occurred on traditional
screens, such as uneven coating, unenough black level, small viewing angle and so on.

Gain: 1.8 Viewing Angle: 140 degree Resolution: 8K

Max 4K Front Flexible PVC Fabric WF1 Pro Max4K
WF1 Pro Max4K

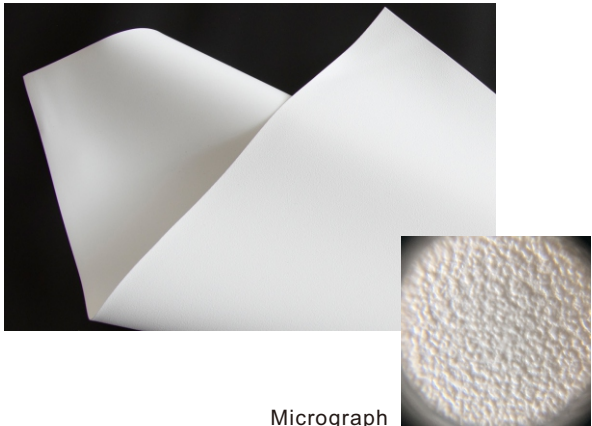


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen,
Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
Made of special PVC, its surface has fine lines, so the incident light can be spread in all directions
and the visual angle will be enlarged. To show 4K image, WF1 Pro Max4k has special coating with
high contrast to ensure the best effect.

Gain: 1.1 Viewing Angle: 160 degree Resolution: 8K

Front 4K Flexible White PVC Fabric WF1 Pro
WF1 Pro

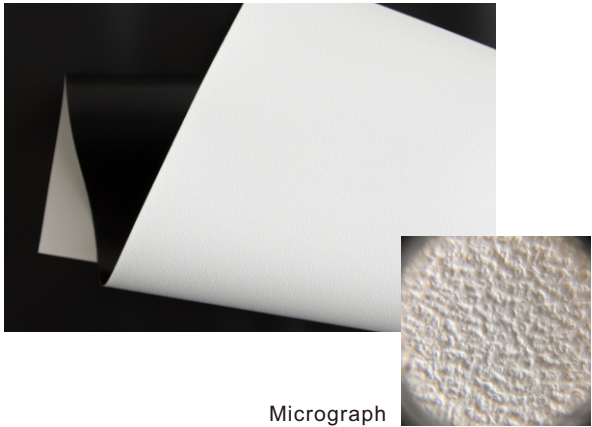


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen,
Motorized Projection Screen.
Especially suitable for advanced and top theaters.

Specifications:
WF1 Pro is made of special PVC. With embossing on the surface, the incident light can be spread
in all directions and the visual angle will be enlarged. The color becomes more natural, to ensure
the best effect. The screen is high-elastic and foldable. It is anti-UV, anti-static, cleanable,
dampproof, fireproofing, anti-aging and anti-dust.

Gain: 1.1 Viewing Angle: 160 degree Resolution: 4K

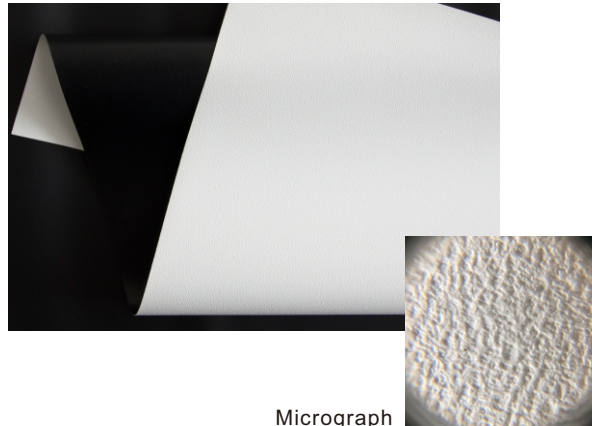
Front HD Flexible PVC Fabric WF1
WF1



Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen,
Motorized Projection Screen.
Especially suitable for middle to high end theaters.

Gain: 1.0 Viewing Angle: 160 degree

HD Front Flexible PVC Fabric YWF1
Y W F 1

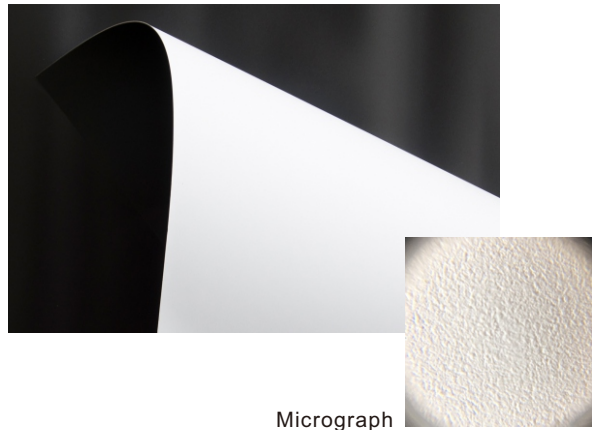


Application:
Ultra Thin Frame Projection Screen, Fixed Frame Projection Screen, Curved Projection Screen.
Especially suitable for mini KTV and mini theaters.

Specifications:
YWF1 is made of PVC. With imaging coating on the surface, the incident light can be spread in all directions and the visual angle will be enlarged. The screen is high-elastic and foldable. It is anti-UV, andti-static, cleanable, dampproof, fireproofing, anti-aging and anti-dust. YWF1 is designed for mini cinemas. It has high contrast and the projected image is clear and natural. The screen is anti-dust and cleanable.

Gain: 1.0 Viewing Angle: 160 degree

PET 4K Matte White Fabric WG1 Pro
W G 1 P r o

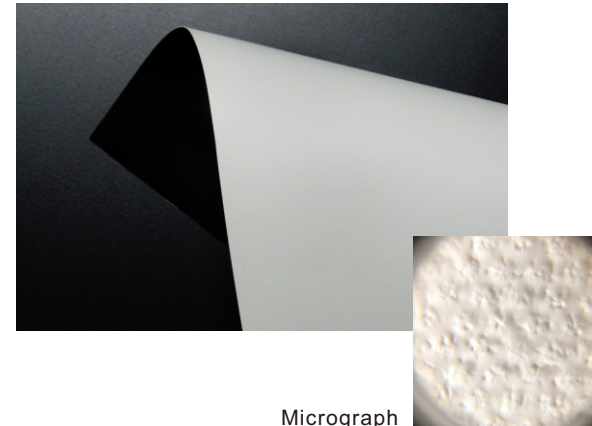


Application:
Tab Tension Projection Screen.
Especially suitable for middle to high end theaters.

Specifications:
WG1 Pro uses basic three-layer structure. The outer layer is white coating; middle layer is glass fibre; inner layer is black layer. Made of glass fibre, the screen must be very smooth. WG1 Pro is a diffusion screen and its surface has fine and smooth lines, providing the best visual angle and excellent color rendition.

Gain: 1.2 Viewing Angle: 160 degree

HD Matte White Fabric WG1
W G 1

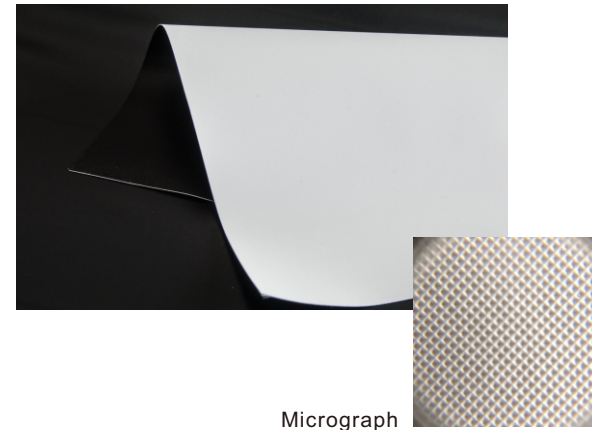


Application:
Motorized Projection Screen, Tab Tension Projection Screen.
Especially suitable for middle to high end theaters.

Specifications:
WG1 is made of fiberglass. Its surface is coated with special PVC. Its unique coating technology provides you incomparable experience. The projected image becomes more vivid and natural.

Gain: 1.0 Viewing Angle: 160 degree

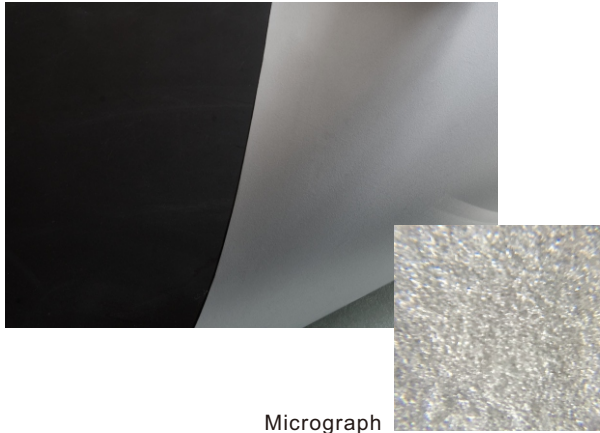
High Quality Matte White Fabric CBS1
C B S 1



Application:
Tab Tension Projection Screen.
Especially suitable for middle to high end theaters.

Specifications:
CBS1 is made of fiberglass. Its surface is coated with special PVC, which makes it much more smooth than normal matt white fabrics. CBS1 is a good choice for business, education and middle end home theaters.

Silver Hard Screen Fabric FH201 FH201



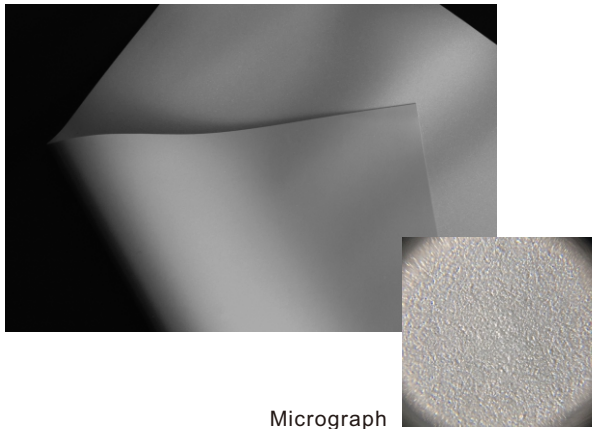
Micrograph

Application:
Fixed Frame Projection Screen, Curved Projection Screen.

Specifications:
Traditional hard screen is made of glass reinforced plastic sheet, which is not flat enough. But XY Screens FH201 is a polyester sheet coated with metal material, much flatter and with longer lifetime. The projector screen has high contrast and superior anti-interference ability of ambient light. Black images become darker and colorful ones become brighter. Even when used in bright room or outdoor without sunlight, it can get rid of foggy phenomenon, to provide clear perfect images. Perfect for film, 3D animation and game show.

Gain: 2.0-3.0 Viewing Angle: 120 degree

3D Silver Flexible Fabric MF1 MF1



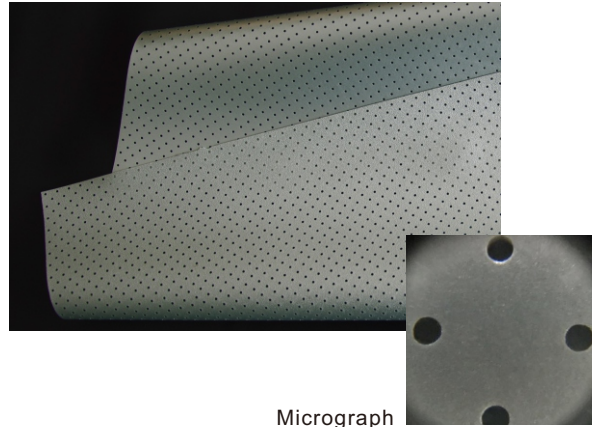
Micrograph

Application:
Fixed Frame Projection Screen, Curved Projection Screen, Tab Tension Motorized Projection Screen.
Especially suitable for 3D cinema, image fusion, home theater.

Specifications:
MF1 is coated with high-reflective metal mixed polyvinyl resin, providing high Gain and clear image. In particular, it is vivid and natural when presenting dynamic video or pictures. It is suitable to show movie, 3D automation and computer game. Also, it is suitable for different types of theaters, classrooms, meeting rooms and command posts.

Gain: 3.0 Viewing Angle: 120 degree

3D Silver Perforating Acoustically Transparent Fabric MFS1 MFS1



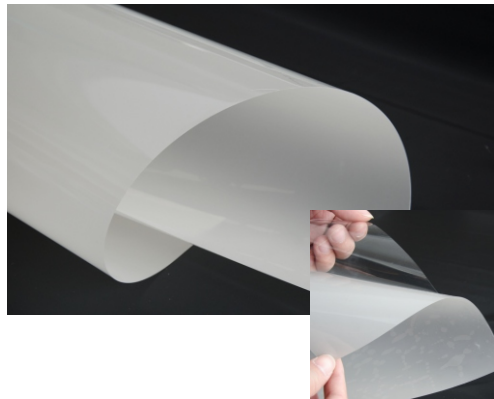
Micrograph

Application:
Fixed Frame Projection Screen, Curved Projection Screen, Tab Tension Motorized Projection Screen.
Especially suitable for large theater, classroom, large projects, command post and etc.

Specifications:
MFS1 is coated with high-reflective metal mixed polyvinyl resin, providing high Gain and clear image. In particular, it is vivid and natural when presenting dynamic video or pictures. It is suitable to show movie, 3D automation and computer game.

Gain: 1.8-3.0 Viewing Angle: 100-120 degree

Holographic Screen Fabric



Light Grey Holographic Screen

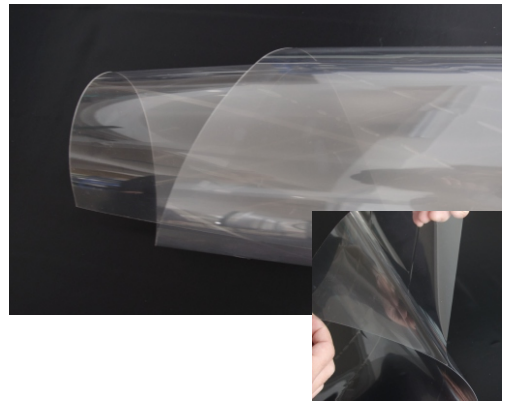
Application:
Light grey holographic screen is suitable for shopwindow, exhibition hall and etc.
Transparent holographic screen is suitable for shopwindow, exhibition, interactive projection and etc.

Specifications:
Light grey screen has good ability of light absorption, avoiding interference from light. It provides clear and vivid images, suitable for both dark and bright environments.

Light Transmission: No Viewing Angle: 120 degree

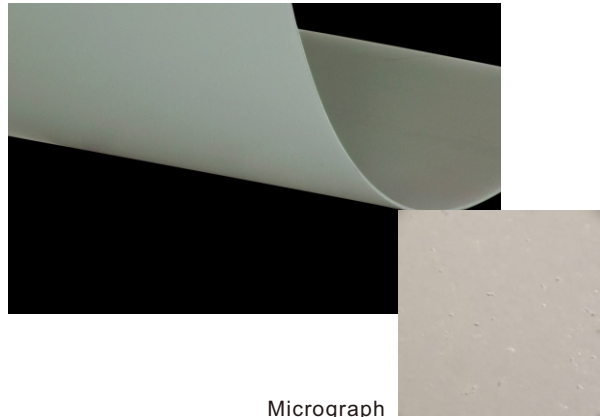
Transparent screen is guaranteed to catch attention with contemporary design, and by creating an image that appears to float in mid-air. It is suitable for relatively dark environments.

Light Transmission: 83-93% Viewing Angle: 150 degree



Transparent Holographic Screen

PET Rear Hard Fabric RH201 RH201

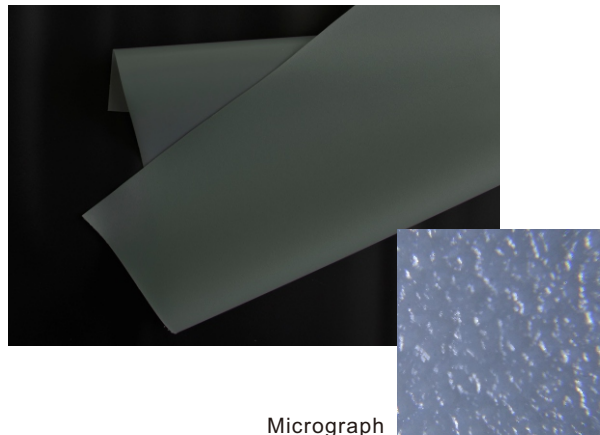


Application:
Fixed Frame Projection Screen, Curved Projection Screen

Specifications:
RH201 is developed for high brightness environments. It is suitable for a wide range of applications, including meeting room, multi-function classroom, presentation, advertisement and other occasions which need rear projection. RH201 provides extremely high contrast and brightness, which makes it the ideal choice. It can provide excellent vertical and viewing angle.

Gain: 0.75 Viewing Angle: 140 degree

HD Rear Flexible PVC Fabric RGF1 RGF1

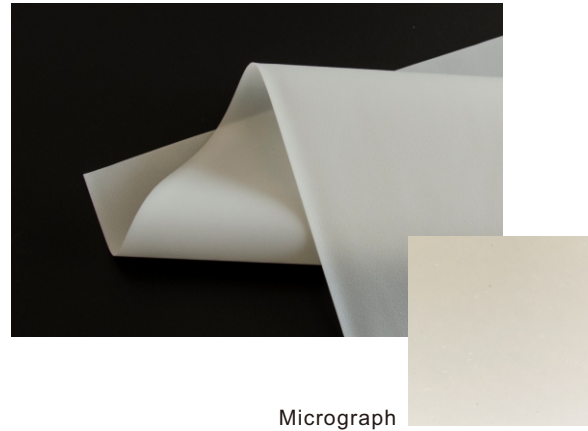


Application:
Tab Tension Motorized Projection Screen, Fixed Frame Screen, Fast Fold Screen.

Specifications:
RGF1 is made of PVC with high transparency. With lines on the surface, the illuminated surface has very low reflectivity. Projection lights can be concentrated and reflected to a imaging surface with visual angle of 80° , thus there will be no spots of light and dark. It is suitable for normal low lumen projectors and those projectors with high resolution, brightness and contrast. The projected image is vivid and the visual angle is large, so it is playing a leading role in rear soft screens.

Gain: 0.8 Viewing Angle: 160 degree

Double Side Screen Fabric for Both Front and Rear Projection DP1 DP1

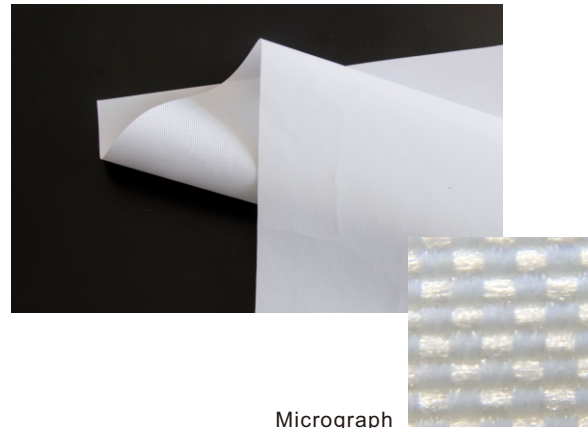


Application:
Motorized Projection Screen, Fixed Frame Projection Screen, Fast Fold Screen.
Especially suitable for shopwindow, hotel, exhibition hall, multimedia room and etc.

Specifications:
This double side projection screen fabric DP1 is newly developed for current market demand, with 360 degree projection technology. Made of PVC material, it has excellent flexibility and smoothness. DP1 is the perfect choice for projects where the display needs to be seen clearly from both sides at the same time. This technology produces a perfectly viewable image on both sides at the same time with 180° angle of visibility.

Gain: 1.0 Viewing Angle: 160 degree Thickness: 0.33mm

Double Side Acoustically Transparent Screen Fabric DPS1 DPS1



Application:
Fast Fold Screen, Fixed Frame Projection Screen, Tab Tension Motorized Projection Screen.
Especially suitable for large outdoor venues

Specifications:
This double side projection screen fabric DPS1 is newly developed for current market demand, with 360 degree projection technology. It is the perfect choice for projects where the display needs to be seen clearly from both sides at the same time. This technology produces a perfectly viewable image on both sides at the same time with 180° angle of visibility. The users can set their speakers behind the screen.

Gain: 1.0 Viewing Angle: 160 degree Thickness: 0.24mm