



Da-Lite's entire line of front and rear projection screen surfaces are GREENGUARD® Indoor Air Quality certified. In addition, all of Da-Lite's projection screen surfaces are also certified under the GREENGUARD® Children and Schools program.

For more information on Da-Lite's GREENGUARD® certification, download certificates for a specific surface or find out more about Da-Lite's Screen Green initiatives, visit www.da-lite.com/screengreen.



FRONT PROJECTION SCREEN SURFACES

Greenguard® and Greenguard® Children and Schools Certified.	Screen surface can be cleaned.	Flame retardant.	Mildew resistant.	Number shows the optimal width of the ideal viewing half angle.	Indicates Goniophotometer reflectance readings. The higher the number, the greater light transmitted to the audience.
---	--------------------------------	------------------	-------------------	---	---

MATTE WHITE

The most versatile and uniform screen surface for front projection when ambient light is controllable. It enables unlimited viewing angles and perfect uniformity while giving precise definition and reproduction of color or black and white.

(Most standard sizes under 16' in height will be seamless. Contact a Sales Partner or consult the Specification Data Sheet for the specific screen model for seamless sizes)

60° 1.0

HIGH CONTRAST MATTE WHITE

Designed for moderate output DLP and LCD projectors, this screen surface is a great choice when video images are the main source of information being projected and where ambient light is moderately controlled. With its specially designed gray base material and reflective top surface, this screen material is able to provide very good black levels without sacrificing the white level output.

(Available in sizes up to 10' in height)

50° 1.1

VIDEO SPECTRA® 1.5

This screen surface is specially designed with a reflective coating, which provides an increased amount of brightness with a moderately reduced viewing angle. The increased gain of this surface makes it suitable for environments where ambient lighting is uncontrollable and a projector with moderate light output is utilized.

(Available in sizes up to 8' in height)

35° 1.5

FRONT PROJECTION SCREEN SURFACES

SILVER LITE 2.5

Silver Lite 2.5 is a multi-purpose front projection surface that is optimized for passive linear and circular 3D applications and is also an excellent 2D screen material. For passive 3D applications, the silver surface maintains 99.3% of polarized light and the 2.5 gain of the material compensates for the light lost in the polarization filtering process. The polarization retention and high extinction ratio eliminate the ghosting or crosstalk common with stereoscopic 3D projection. For 2D projection, the gain and high contrast characteristics of the material make it perfect for projection in high ambient light conditions or for use with a low output projector.

(Available in sizes up to 8' in height)



HIGH POWER®

This screen surface provides the reflectivity and optical characteristics of a traditional glass beaded surface with the ability to clean the surface when necessary. Its smooth textured surface provides the highest gain of all front projection screen surfaces with little loss of resolution. The moderate viewing angle and its ability to reflect light back along the projection axis make this surface the best choice for situations where there is a moderate amount of ambient light and the projector is placed on a table-top or in the same horizontal viewing plane as the audience.

(Seamless in sizes under 8' in height)



HIGH CONTRAST HIGH POWER®

This revolutionary screen surface provides a unique combination of high gain along with contrast enhancement due to its gray base and highly reflective top surface. The result is a screen surface with moderate viewing angles and the ability to reflect light back towards the source. These characteristics make this surface an excellent choice for environments with a moderate amount of ambient light and a projector which is placed on a table top or in the same horizontal viewing plane as the audience.

(Seamless in sizes under 8' in height)



DA-MAT®

Da-Mat® features a smooth, white surface for precise image reproduction and provides an exceptionally wide angle of view with little loss of resolution. It is a highly flexible fabric. Da-Mat® is a great choice for situations with controlled ambient light and where a wide viewing angle is necessary. Available with or without black backing depending on screen model.

(Seamless in sizes up to 16' in height)



HIGH CONTRAST DA-MAT®

A unique non-supported vinyl fabric that offers a bright, uniform image with no color shift at any viewing angle. This surface is designed to provide a higher amount of brightness for lower output projector types such as CRT. Its increased reflectivity will help enhance the image brightness in situations where a low level of ambient light is present. This surface is a good choice when producing video images.

(Seamless in sizes up to 16' in height)



CINEMA VISION

A unique fabric that offers a bright, uniform image with no color shift at any viewing angle. This surface is designed to provide a higher amount of brightness for lower output projector types. Its increased reflectivity will help enhance the image brightness in situations where a low level of ambient light is present. This surface is a good choice when producing video images.

(Seamless in sizes up to 16' in height)



FRONT PROJECTION SCREEN SURFACES

HIGH CONTRAST CINEMA VISION

Designed for today's moderate output DLP and LCD projectors, this screen surface is a great choice when video images are the main source of information being projected and where ambient lighting is moderately controlled. With its specially designed gray base surface and a reflective top surface, this screen material is able to provide very good black levels without sacrificing the white level output.

(Seamless in sizes up to 16' in height)

50° 1.1

PEARLESCENT

Pearlescent offers a higher amount of reflectivity and brilliance without loss of image quality or resolution and is designed for use in applications where moderate viewing angles are required. This surface is a good choice when producing video images with a lower output projector and where there is a high amount of ambient light present.

(Seamless in sizes up to 16' in height)

40° 1.5

HD PROGRESSIVE 1.1 PERF

Designed for applications where a more realistic soundstage is desired, this fabric allows for the installation of speakers to be placed behind the surface. With virtually no sound loss and excellent image quality, this fabric provides the same optical characteristics as the HD Progressive 1.1 screen surface with specially designed perforations to allow sound to pass through the material.

(Available in sizes up to 8' in height)

85° 1.1

AUDIO VISION

Designed for applications where a more realistic soundstage is desired, this fabric allows for the installation of speakers to be placed behind the surface. With virtually no sound loss and good image quality, this fabric provides the same optical characteristics as the Da-Mat® surface with specially designed perforations to allow sound to pass through the screen material.

(Available in sizes up to 8' in height)

60° 1.0

HIGH CONTRAST AUDIO VISION

With the same optical characteristics as the High Contrast Da-Mat® material, this surface is designed to provide the viewer with a more realistic soundstage by placing speakers behind the screen and allowing the sound to be transmitted through the material. This screen surface is best used when there is good control of ambient lighting and a moderately wide viewing angle is desired.

(Available in sizes up to 8' in height)

45° 0.8

HIGH CONTRAST CINEMA PERF

With the same optical characteristics as High Contrast Cinema Vision, this surface is perforated to allow placement of a center channel speaker behind the screen surface while allowing the sound to transmit through the material. Ideal for use in environments with moderate control of ambient light.

(Available in sizes up to 8' in height)

50° 1.1

3D VIRTUAL GREY

Designed specifically for passive 3D front projection systems, 3D Virtual Grey is a flexible projection fabric that retains 99 percent of polarized light. Other characteristics include the ability to maintain high extinction values, virtually eliminate ghosting or crosstalk common with stereoscopic 3D projection and excellent image contrast.

(Available in sizes up to 16' in height)

11° 1.85

REAR PROJECTION SCREEN SURFACES

Polacoat® Optical Coatings

DA-100

A neutral gray diffusion coating that provides contrast enhancement while maintaining uniformity and color rendition. Its versatility makes it a good choice for situations with good control over ambient light and where a wide viewing angle is necessary. It is also well suited for high resolution applications.

 35° 1.0

DA-130

A neutral gray diffusion coating designed to provide a moderate amount of brightness for applications where ambient light is controllable and moderately wide viewing angles are required.

 34° 1.3

DA-150

A neutral gray diffusion coating designed to provide a higher amount of brightness and contrast for situations where a low level of ambient light is present or where a projector with moderate output is utilized.

 32° 1.5

DA-180

A neutral gray coating offering a higher on-axis gain for situations where a moderate output projector is utilized and where there is a high amount of ambient light present. This coating is well suited for applications where viewing angles are not wide and a higher gain coating is needed for on-axis viewing.

 30° 1.8

DA-230

A neutral gray coating with high gain and a moderate viewing angle. The increased gain of this surface makes it suitable for environments where ambient light is uncontrollable and a projector with moderate light output is utilized. Good for situations where the audience is centered within a 50-degree cone from the center of the screen.

 25° 2.3

VIDEO VISION

A special coating process generates a screen ideal for video projection under controlled light conditions. This material offers an exceptionally wide field of view so each audience member will observe a uniform, bright, sharp image with no color shift. This screen material is a good choice when producing video images with a projector that has good black levels.

 55° 1.0

Wide Angle Polacoat® Optical Coatings

DA-50 WA

Specifically designed for applications using high lumen projectors in conjunction with short throw lenses, this optical coating provides wider half-gain angles than traditional coatings, reducing the incidence of hot spotting. The DA-50 WA coating is unique in its ability to offer a high contrast tint to the projected image while maintaining wide viewing angles.

 60° 0.5

DA-75 WA

A light gray diffusion coating with a .75 gain and extremely wide viewing angles. DA-75 WA is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-75 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized.

 78° 0.75

DA-100 WA

A light gray diffusion coating that provides a unity gain and especially wide viewing angles. This wide angle optical coating is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-100 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized.

 52° 1.0

REAR PROJECTION SCREEN SURFACES

Specialty Rear Projection

HOLO SCREEN

The Holo Screen has been specifically designed for use in high ambient light environments and point-of-sale applications. The viewer can see a crisp image and see through the screen at the same time.

     28°  4.0

Flexible Fabric Screens (Require Tensioning)

DA-TEX®

A translucent, neutral gray surface that offers high transmission and low reflectance values for optimal viewing. It yields excellent color rendition, image contrast and a moderately wide viewing angle. Suitable for rear projection applications with high ambient light.

(Seamless in sizes up to 16' in height)

     30°  1.3

HIGH CONTRAST DA-TEX®

High Contrast Da-Tex® is a unity gain rear projection surface with a specially designed dark gray tint and is formulated to provide lower black levels for today's high output projectors. Suitable for rear projection applications with high ambient light.

(Seamless in sizes up to 16' in height)

     40°  1.0

DUAL VISION

Dual Vision is a flexible projection fabric capable of both front and rear projection. The Dual Vision surface is ideal for video projection under controlled light conditions. With an exceptionally wide viewing cone and light gray tint, each seat in the audience will observe a uniform, sharp image with no color shift. Surface needs to be tensioned due to its flexible nature.

(Seamless in sizes up to 16' in height)

     65°  0.9

ULTRA WIDE ANGLE

Flexible Fabric Screen: Ultra Wide Angle is a flexible rear projection fabric formulated for applications where exceptionally wide viewing angles are desired and ambient light is controlled. Based on its ability to diffuse light uniformly, Ultra Wide Angle fabric is ideal for installations utilizing multiple projection edge blending or wide format screens with short focal length projection lenses. By virtue of it

(Seamless in sizes up to 16' in height)

     78°  0.65

3D VIRTUAL BLACK®

Flexible Fabric Screen: 3D Virtual Black® is a flexible rear projection fabric for passive 3D that retains 99 percent polarization, thereby maintaining a high fidelity 3D image and virtually eliminating all image ghosting. The black surface finish provides excellent image contrast and its 1.3 gain offers exceptionally vivid images even in ambient light conditions.

(Seamless in sizes up to 16' in height)

     10°  1.3