Hurley Screen Surfaces

Custom Projection Screens Since 1935

Bringing Quality to the Surface

Selection

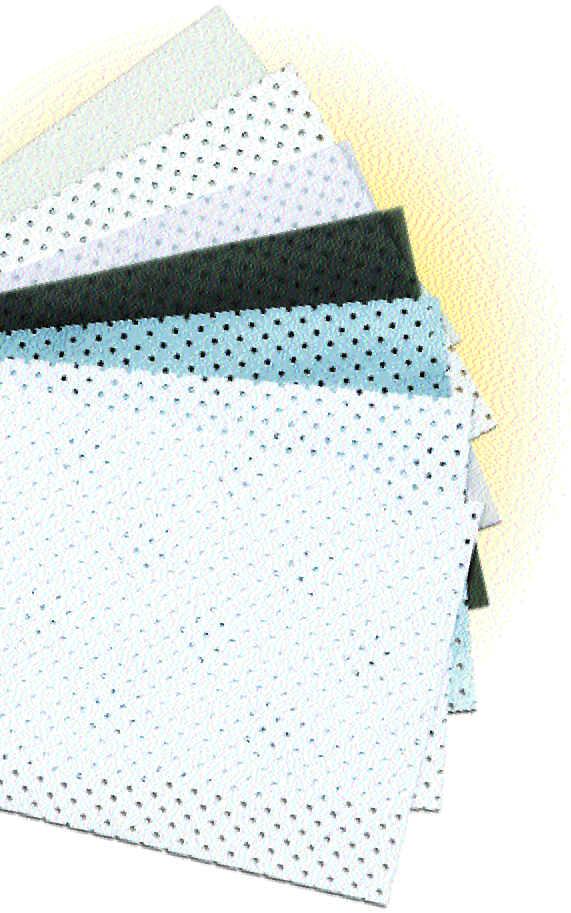
When you begin making your screen surface selection you should consider brightness levels (gain), viewing angles, ambient light, and the type of images being displayed.

This information sheet explains many issues you'll need to consider and outlines our surface options. Feel free to contact us to help you make the best selection for your needs.

Types

Screen surfaces can be divided into two types of materials—supported and unsupported.

- **Supported:** The viewing surface is laminated to a woven Fiberglass base. This base provides flatness in the screen with little or no tensioning.
- **Unsupported:** The viewing surface is vinyl only and has no Fiberglass base. These materials must be tensioned on all four sides to provide superior flatness to the viewing surface. When tensioned properly, unsupported materials give a higher resolution image and better picture quality, therefore, when applicable, we recommend using these materials for the highest quality presentation.



Surface Materials

Though we have many materials that are designed for specific needs, for best results, Hurley Screen recommends the use of our matte white material (MW-16) whenever conditions permit (see "Gain" chart on back).

MW-16. Heavy gauge titanium dioxide pigmented vinyl film. Smooth surface with microscopic embossing for maximum light distribution. Excellent color response with superior resolution for data display. Preferred use: Lace and Grommet, H-Pad, *Electra*View® Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid or perforated for sound transmission
- Flame and mildew resistant
- Gain 1.0
- Viewing angle 50°
- Surface can be cleaned

SUPERGLO. Heavy gauge titanium dioxide pigmented vinyl film with a pearlescent coating. Smooth surface with microscopic embossing for maximum light distribution with enhanced gain. This is our most popular screen surface for large format screens. Preferred use: Lace and Grommet, H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid or perforated for sound transmission
- Flame and mildew resistant
- Gain 1.5
- Viewing angle 35°

SILVERGLO. High gain non-lenticulated aluminum surface on heavy gauge vinyl film for medium-sized screens where wide viewing angles are not encountered and light is limited. High resolution surface is excellent for 3-D and other special processes using polarized light. Preferred use: Lace and Grommet and H-Pad screens.

- Available solid or perforated for sound transmission
- Flame and mildew resistant
- Gain 2.3
- Viewing angle 30°

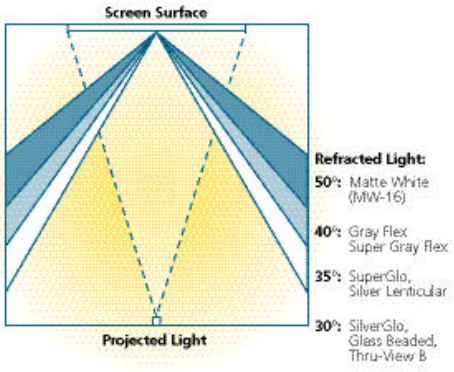
HURLEY SCREEN Est. 1935 FOREST HILL, MD

	MW-16	Superglo	Silverglo	MW-Flex	Superglo Flex	Gray Flex	Super Gray Flex	Glassmatte	Glass Beaded	Supported Superglo	Silver Lenticular	Thruview-B
Ambient light is not controllable		○	●		○				○	●	●	●
Available Perforated (for sound transmission)	●	●	●					●				
Display is Less than 25 Foot-Lamberts*		●	●		●				●	●	○	●
Rear Projection												●
Overhead Projection	●	●	○	●	●	○	○	●	●	●	○	
3D Projection			●									
Digital/Fine Detail Projection	●	●	○	●	●	○	○			○	○	●
Video Projection (CRT, DLP, LCD, etc)	●	●	○	●	●	●	●	●	●	●	●	●
Film/Slide Projection	●	●	○	●	●	○	○	●	●	○	○	●

Recommended Surface Uses

● Preferred Screen Choice
○ Acceptable Screen Choice

*Refer to "Screen Selections" Diagram to determine Foot-Lamberts



Gain: *The brightness level (gain) of your display can be measured in foot-lamberts. If your display produces 25 foot-lamberts or more, our matte white surface may be used. If less, a gain surface may be required. To determine the brightness of your display in foot-lamberts use the following formula:*

$$\frac{\text{ANSI lumens of projector}}{\text{square foot of screen}} = \text{foot-lamberts}$$

MW-FLEX. A flexible white smooth surface with microscopic embossing for maximum light distribution. Excellent color response with superior resolution for data display. Preferred use: H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available in solid only
- Flame and mildew resistant
- Gain 1.0
- Viewing angle 50°
- Surface can be cleaned

SUPERGLO FLEX. High gain with broad viewing angles and excellent resolution. Ideally suited for video/data projection, slide and film projection. Excellent for applications where ambient light cannot be controlled. Preferred use: H-Pad, *Electra*View® Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid only
- Gain 1.8
- Viewing angle 35°
- Surface washable with mild soap and water

GRAY FLEX. A high contrast smooth flexible vinyl. Increases black levels to enhance contrast. Ideal for video graphics with high output projection systems. Preferred use: Lace and Grommet, H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid only
- Flame and mildew resistant
- Gain .9
- Viewing angle 40°
- Surface can be cleaned

SUPER GRAY FLEX. A flexible gray vinyl with a pearlescent finish. Increases black light levels to enhance contrast. Ideal for moderate output projection systems. Preferred use: Lace and Grommet, H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid only
- Flame and mildew resistant
- Gain 1.0
- Viewing angle 40°
- Surface can be cleaned

GLASSMATTE. Vinyl coated fiberglass with embossed matte white surface. A versatile screen surface with high efficiency, uniform light distribution, and a wide viewing angle. Preferred use: Lace and Grommet, H-Pad, Rope and Pulley, *Electra*View Focus Model "S", and *Electra*View Vision Model "S" screens.

- Available solid or perforated for sound transmission
- Gain 1.0
- Viewing angle 50°
- Flame and mildew resistant
- Surface can be cleaned

GLASS BEADED. Glass beads laminated onto matte white surface provides high gain or axis viewing, moderate viewing angle with excellent color rendition. Particularly useful where high ambient light cannot be avoided. Preferred use: H-Pad, Rope and Pulley, *Electra*View Focus Model "S", and *Electra*View Vision Model "S" screens.

- Available solid only
- Flame and mildew resistant
- Gain 2.3
- Viewing angle 30°

SUPPORTED SUPERGLO. Specifically designed for LCD and Video projection. Pearlescent coating increases gain while maintaining good resolution and sharpness. Preferred use: H-Pad, *Electra*View® Focus Model "S", and *Electra*View Vision Model "S" screens.

- Available solid only
- Flame and mildew resistant
- Gain 1.5
- Viewing angle 35°
- Surface can be cleaned

SILVER LENTICULAR. A lenticular pattern embossed aluminized vinyl with textile backing. Lenticular design eliminates hot spotting and cross reflection. Preferred use: H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid only
- Mildew resistant
- Gain 1.8
- Viewing angle 35°

THRU-VIEW B. An unsupported rear-projection screen with excellent contrast. Gray surface provides low front reflection and is exceptionally useful where ambient light cannot be reduced. Preferred use: Lace and Grommet, H-Pad, *Electra*View Focus Model "T", and *Electra*View Vision Model "T" screens.

- Available solid only
- Flame and mildew resistant
- Gain 1.8
- Viewing angle 30°
- Surface can be cleaned

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