



# EVENT SCREENS

## Visual Effects Screens from Harkness Screens

Harkness event screens are PVC projection surfaces that can be used for temporary or permanent installation where a specific screen size or shape is required.

A variety of surfaces are available for either front projection, rear projection, or combined front and rear, and for use in different lighting conditions.

Materials are available off roll or made up custom sized screens.

### Event organisers and set designers are increasingly using projection screens for state-of-the-art sets

- Create exciting projection and lighting effects.
- Specific screen materials are available for front and rear projection or combined front and rear projection.
- Projection surfaces are available for different ambient light conditions.
- Screens provide a higher quality projected image than can be obtained using cloth.
- The screen can provide the entire set backdrop, which can be more flexible than using drapes and built-in screens.
- Screens can be manufactured precisely to the size and shape required.
- Materials are also available off roll.
- Projection screen surfaces are ideal for use with the current generation of powerful video projectors.
- Multiple images can be seamlessly joined to create spectacular images.
- Custom screens provide economic solutions for one-off events, for touring shows, as well as more permanent use in TV studios and live theatre.

### Application

Harkness event screen uses include:

- Live theatre/opera • Cycloramas • TV studios • Product launch backdrops/projection surfaces
- Fashion shows • Exhibition stands and conference sets • Special lighting effects
- Touring shows • Spectacular events • Film premieres



## Materials

Materials	Roll Width	Weight	Application
Translite Super 2	94" / 2.4m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front and rear projection. A cream coloured screen for use in low ambient light.
Translite Grey	94" / 2.4m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Rear projection. For use in controlled light conditions; suitable for edge blending projection.
Translite Super Grey	79" / 2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Rear projection. A higher transmittance alternative to Translite Grey.
Translite White	79" / 2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front and rear projection. Similar to Translite Super 2 but with superior performance on front projection.
Translite Blue	79" / 2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Rear projection. Holds a good image with high contrast; can also be used for reflecting light to give scenes a cold feel.
Translite Midnight	79" / 2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Rear projection. Gives a high contrast image and works well in ambient light; useful as dark backdrop.
Translite Crystal	86" / 2.2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	A frosted surface with high translucence suitable for lighting and scenic effects.
Translite Clear	55" / 1.4m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	A completely translucent surface for lighting and scenic effects.
Matt White Perforated	54" / 1.37m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front projection. Acoustically transparent, wide viewing angle, good contrast with little loss of resolution.
Event Matt White	86" / 2.2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front projection. For use in controlled light conditions.
Event Matt White 3m	118" / 3m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front projection material with the same performance as Event Matt White but available off roll at 3 metres wide.
RP 230	118" / 3m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Rear projection. Ideal for conditions with a high level of ambient light.
White/Black Reverse	79" / 2m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	Front projection. Blocks light from behind the screen.
Spectral 240 3D	Not available off roll	0.10 lb/ft <sup>2</sup> 0.50 kg/m <sup>2</sup>	Front projection. For use with 3D systems using polarised light; also supports 2D images.
RP 3D	55" / 1.4m	0.09 lb/ft <sup>2</sup> 0.43 kg/m <sup>2</sup>	A rear projection screen for use with 3D systems using polarised light; also supports 2D images; will also support front projection.

## General Detail

- Sizes and Shapes** • Rectangular or special shape screens can be made.  
• Screens bigger than 100ft x 65ft (30m x 20m) are subject to special enquiry.
- Edge Finishing** The following edge finishes are available as standard:  
• Web and eye (grommet) with 6 inch (150mm) spacing. • Black web available.  
• Preformed pipe pocket. • Cut square (unfinished).
- Fire Retardancy** Certified to various international standards. Please see individual data sheets.
- Typical Packing** Event screens can be folded and will be supplied as a parcel in sizes up to 90m<sup>2</sup> (1000 sq. ft).  
Cartons or wooden crates will be used for larger sizes.
- Despatch/Storage** These screens can be stored folded for up to one month; longer than this is not recommended. Screens can be stored for longer periods if tube packed (unfolded).  
Screens should normally be transported and stored at temperatures between 40/85°F (5/30°C) with relative humidity of less than 80%. If screens are very cold (e.g. following air transport) then they must be allowed to warm up before unpacking and installation, otherwise cold cracking may occur.
- Installation** The following principles should be followed when installing Harkness event screens  
• The environment should be clean with no building works taking place.  
• Installation should be at ambient temperatures 68/75°F (20/24°C).  
• Care should be taken to avoid the screen coming into contact with sharp objects during installation.  
• Excessive loads should not be placed on any specific point of the screen  
• Use of cotton gloves is recommended. • The viewing surface should not be touched.  
• Creasing should be minimised during installation.  
The securing of the screen will depend on the edge treatment specified:  
• Screens with web and eyes (grommets) can be secured using sisal or screen ties (bungees).



Harkness Event Screens - from the world's largest supplier of projection screen surfaces  
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