



Harkness Screens UK
 Tel +44 (0) 1438 725200
 Fax +44 (0) 1438 344400

E-Mail sales@harkness-screens.com
www.harkness-screens.com

Harkness Screens USA
 Tel +1 (540) 370 1590
 Fax +1 (540) 370 1592

**STARLIGHT
 FRONT PROJECTION SCREEN
 DATA SHEET**

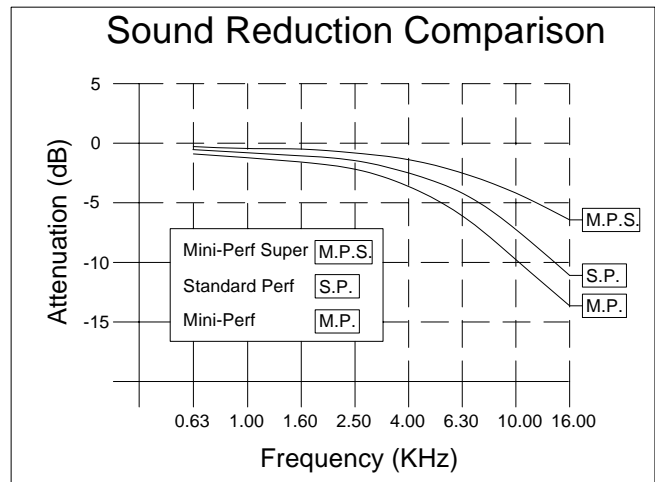
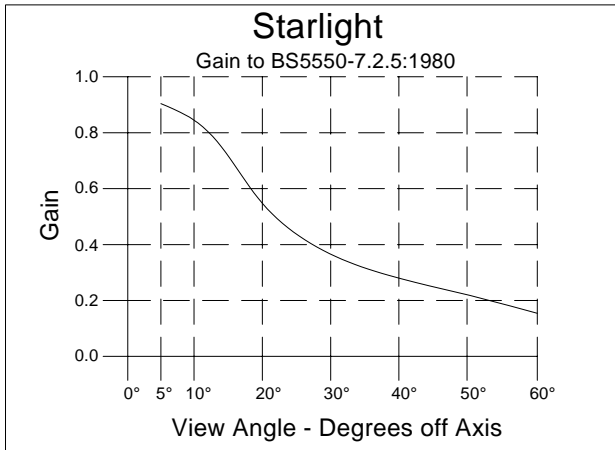
Document Ref DS-061 Issue 2 Nov 2006

Starlight has been developed specifically for use with home cinema. The vinyl surface has a specialised coating using technology developed from Harkness Screens' enormous experience from supplying cinema screens worldwide. The coating is designed to enhance contrast of DLP projectors used in home cinema applications. The screen has a gain level of 1, which can be useful to run projectors in economy mode. It has a wide viewing angle. The screen can also tolerate some ambient light without loss of contrast.

The surface has no visible seams under normal projection conditions and viewing distances. Perforated forms are available for use with behind screen speakers.

Application

The principal application of Starlight is for home cinema. Starlight can also be used in screening rooms and for digital cinema, particularly with 'E' cinema projectors.



General Detail

View Distance non-perf, MP and MPS versions are suitable for close viewing (1.5m/5')

Maximum Size
 USA manufacture 24.1m x 12.4m (79'3" x 40'7")
 French manufacture 27m x 11m (88' x 36')
 MPS version 5.2m x 2.2m (17' x 7' 2")

Perforations

Hole Size	Open Area
Reg Ø1.2mm (0.047")	4.5%
MP Ø0.5mm (0.020")	1.7%
MPS Ø0.5mm (0.020")	5.1%

Weight 0.5kg/m² (0.10lb/ft²)

Surface Edging Options

- Cut square/Velcro for use with Smart-View frames
- Cloth web and fixings (snaps) for press stud frames
- Web and eye (grommet) for lace-in frames. 15cm (6") spacing.

Typical Packing

Rolled in a cardboard tube.

Despatch/Storage

Screens should normally be transported and stored at temperatures between 5°C and 30°C (40°F and 85°F), with relative humidity less than 80%. If screens are very cold (e.g. following air transport) then they must be allowed to warm up before unpacking, otherwise cold cracking may occur. Screens should be installed within a maximum of 2 months of shipping. Packages should be handled with care to avoid damage.

Installation

The following principles should be followed when installing Harkness Starlight screen surfaces:

- The auditorium should be clean with no building works taking place.
- Installation should be at ambient temperature (20/24°C-68/75°F).
- 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 (the rear of the screen is identified by the product label).
- The surface should not be creased during installation.

Care and Maintenance

The general environment where the screen is installed should be kept reasonably clean to avoid dirt and dust build-up. Screens can be periodically cleaned using a soft brush or cloth, doing this vertically with limited pressure. Under no circumstances should the screens be made wet or cleaned with any material containing bleach or other chemicals.

In the interest of product enhancement, Harkness Screens reserves the right to introduce modifications or alterations without notice