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**HIGH CONTRAST GREY
FRONT PROJECTION SCREEN
DATA SHEET**

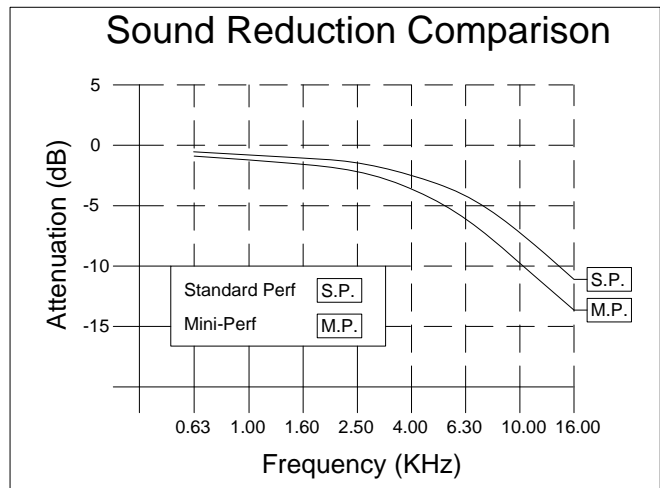
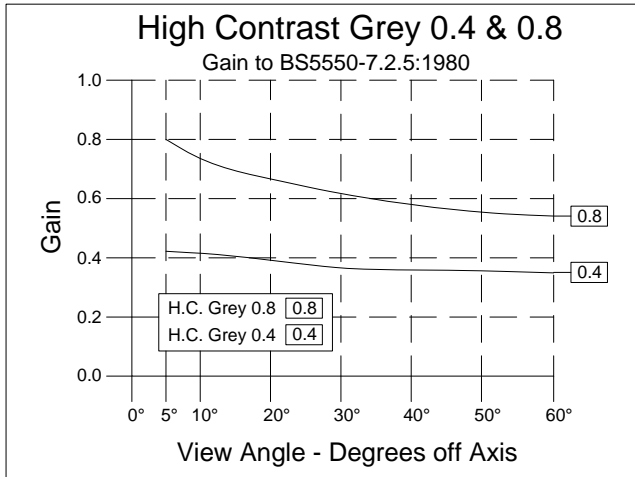
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High Contrast Grey front projection surfaces are designed to meet the needs of high output LCD and DLP projectors. A matt grey coated finish to the vinyl surface improves the perceived contrast, by enhancing the black/near-black tones. Two gain levels are available.

Application

The surface is particularly suited for applications requiring enhanced contrast from video projection. Two gain levels are available to match the output level of the projector and viewing conditions.

It is available non-perforated and also in various perforations for use with behind screen speakers (see attenuation curve).



General Detail

View Distance Non-perf and MP versions are suitable for close viewing (1.5m/5'). Regular perforations are suitable for 5m viewing distance.

Maximum Size USA manufacture 24.1m x 12.4m (79'3" x 40'7")
French manufacture 27m x 11m (88' x 36')

Perforations

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

Weight 0.5kg/m² (0.10lb/ft²)

Eyelet Spacing 150mm (6") nominal (US) / 200mm (8") France

Surface Edging Options

- Web and eye (grommet). Triple fold web integral with surface
- Preformed pipe pocket any size on any side
- Cloth web and fixings (snaps) for press stud frames
- Straight sides or shaped to special order
- Cut square (unfinished edge)

Fire Retardancy Certification to the following standards:

France M1
UK BS5867 PT 2

Typical Packing

Rolled in a cardboard tube; packed in a long wooden box when height is over 7m (23').

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 High Contrast Grey 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