



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

**RP 3D
REAR PROJECTION SCREEN
DATA SHEET**

Document Ref DS-077 Issue 3 Nov 2007

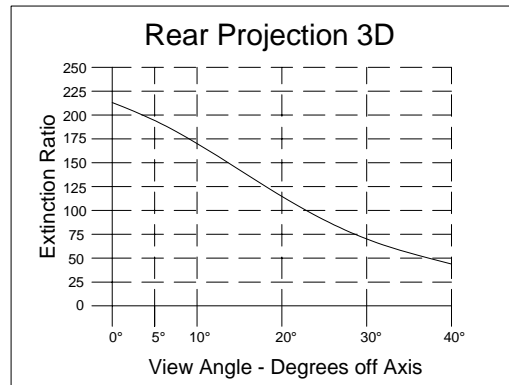
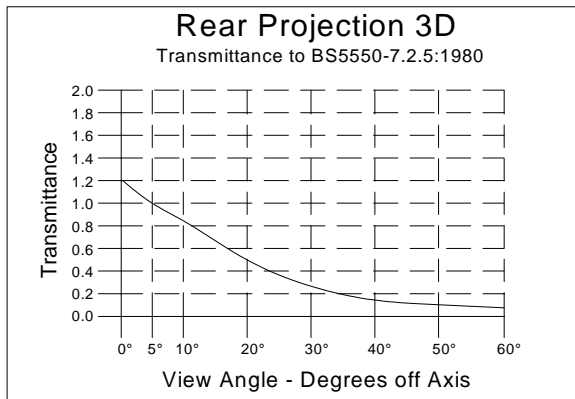
RP 3D is a flexible rear projection surface, specifically designed for "passive" 3D applications. It has a very low depolarisation level (extinction ratio). The transmittance gives sharp, bright images with an acceptable viewing angle. The material can be joined to make up large screens and the seams are almost invisible.

Application

RP 3D rear projection screens are ideal for all passive 3D systems which require rear projection, such as theme park rides or simulators for design or training purposes. It can be fitted in lace-in frames, or Harkness Easi-Rect or Smart-View frames, or roller screens.

Projection

Viewing side is the mat side of the surface.



Sizes and Shapes

- Screens of any size or shape can be made up
- Roll width 1.4m

Edge Treatment

The following edge finishes are available as standard:

- Web and eye (grommet) with 15cm (6") spacing
- Preformed pipe pocket
- Cloth web and snap fixings for press stud (snap) frames
- Cut square (unfinished edges)

General Detail

Weight 0.43kg/m² (0.09lb/ft²)

Fire Retardancy

Certification to international standards including:
• UK BS 5867 Part 2 • France M3

Typical Packing

RP 3D screens can be folded and will be supplied as a parcel in sizes up to 90m² (1000ft²)
A wooden crate will be used for larger sizes. Surfaces for roller screens will be packed in a 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 RP 3D screens:

- The environment should be clean with no building works taking place.
 - Installation should be at ambient temperature 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)
 - Unfinished screens can be secured using Harkness 'Hold-On' clips and ties.

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