

For further information on the wide range of Polycasa products please contact us as follows;

**UK and Ireland**  
T: 00 44 28 67 74 11 11

**France, Italy, Greece and Cyprus**  
T: 00 32 14 57 67 11

**Germany, Austria, Switzerland**  
T: 00 49 61 31 63 11 82

**Spain and Portugal**  
T: 00 34 93 565 12 30

**Central and Eastern Europe**  
T: 00 421 41 707 14 20 – 24

**Benelux, Scandinavia and all other countries**  
T: 00 32 14 57 67 11

#### HEAD OFFICE

**Polycasa**  
Van Doornelaan 2a  
BE 2440 Geel  
Belgium  
T: 00 32 14 57 67 11  
F: 00 32 14 58 96 21  
E: info@polycasa.com  
W: www.polycasa.com

Polycasa offers an extensive range of plastic sheets to distribution and industrial partners, with an industry leading selection of polymers, thicknesses, sizes, colours, patterns, and coatings.



#### Brands from Polycasa:



While we have made every effort to ensure the accuracy of the information it is provided on an "as is" basis and without liability, particularly including (but not limited to) liability with regard to any up to date status, completeness or correctness of the information or any liability for the merchantability of products, their fitness for any particular purpose, or the infringement of third party rights. Colours of the products are for indication purposes only and may not represent the colour of the actual product. Any opinions provided in the Product Guide are not statements or representations of fact and they are not intended to form part of any offer or contract. © Polycasa Group, 2013, all rights reserved.



# Product Guide



www.polycasa.com



## POLYCASA® CAST VISION IS SPECIALLY DESIGNED FOR DISPLAYING MESSAGES IN AN AUDIO-VISUAL PRESENTATION.

In a world of fast-moving images and information, getting stand out for your product or brand is vital. But the problem with many audio-visual presentations, is that often there isn't enough space to place a projector to allow a clear view of your show.

This is where **CAST Vision** is the perfect choice, with projection techniques tailored to your environment. Our three types, **CAST Vision Front**, **CAST Vision Rear** and **CAST Vision Through**, cover all options for the ultimate presentation on screen.



### PRODUCT IDENTIFICATION

**CAST Vision** is produced using **Polycasa acrylic**, well known for its high-quality and optical excellence.

It's produced using the same technology as our regular sheets, but finished with special methods to provide the characteristics that make it suitable for use in projection applications.

### CHARACTERISTICS

- **CAST Vision Front** is a white, opaque, rigid screen to be used in frontal projections.
- **CAST Vision Rear** is a neutral grey-coloured sheet specially developed for rear projection and due to its special transmission values, images can be seen on both sides of the screen simultaneously. In rear projection applications, bright and clear images completely eliminate the 'hot spots' often seen with conventional projection screens.
- **CAST Vision Through** is an almost transparent sheet that allows the projection of images, and also a clear view through the sheet in zones where no image is projected.

See below for more on which type is best suited to your viewing requirements.

### APPLICATIONS

**CAST Vision** is available in three types to cover all viewing requirements.

**Vision Front:** used for front projection, the most commonly used method, where the projector throws images forward onto a screen for an audience to view. The audience must sit between the screen and projector.

**Vision Rear\*:** when using this sheet, the projector is hidden behind the screen, so no interruptions to the image can occur and projector noise is minimised. This technique is becoming increasingly popular for use at exhibitions and events with a larger audience.

**Vision Through\*:** this special product is an almost transparent sheet that allows the projection of images but also permits a clear view through the sheet in zones where no image is projected. This screen has a very low contrast and it would be the right choice in areas with low ambient light.

\* These techniques, used in double-sided projection, are only suitable for images that do not contain text, as letters and numbers will be reversed on one face of the screen.

### PRODUCT RANGE

Available in 4, 5 and 6 mm for following references:

**CAST Vision Front** (3014 MAT\*/ARD\*\*) for frontal projection.

**CAST Vision Rear** (2950 MAT\*/ARD\*\*) specially designed for rear projection.

**CAST Vision Through** (2051) rear projection with low contrast.

\* MAT: matt one side

\*\*ARD: matt two sides

### TECHNICAL INFORMATION

- Made from high-quality **Polycasa CAST** acrylic sheet.
- Neutral grey colour allows natural colour reproduction under varying light conditions.
- Elimination of 'hot spots' caused by conventional screen/projector set up.
- Different gain characteristics mean that the best screen is always used for the application. (Gain is a measure of the brightness of a screen compared to a standard white matt screen.)
- Choose high gain for 'head on' viewing or low gain type for varying angles of view.
- Rigid screen construction eliminates risk of damage or vandalism that can occur with textile screens.
- Can be laser-cut to almost any shape — allowing designers to break free from the usual rectangular viewing screen format.
- Can also be curved, giving further design possibilities and widening visual angle.

### INSTALLATION GUIDELINES

As a rule of thumb, the following indications should be considered when installing a projection screen:

- Viewing distance from the projector to the screen depends on the screen size and the projector itself.
- As illustrative values:

Screen size	Viewing distance
50"	1.5-2.0 m
100"	2.6-4.5 m
120"	2.6-5.0 m

- Viewers' line of vision should be 1/3 of the height from the bottom of the screen. These are only suggestions; space considerations will determine actual distances.

Please contact your local customer service centre for a complete product overview. For details see back of brochure.