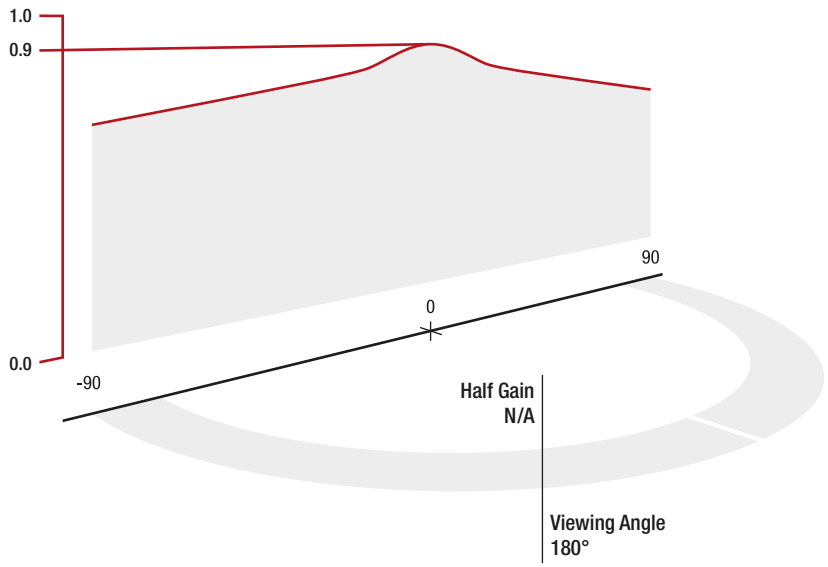
SolidPix™

SCREEN RESEARCH




## SolidPix™ 2 Sonic White 0.9

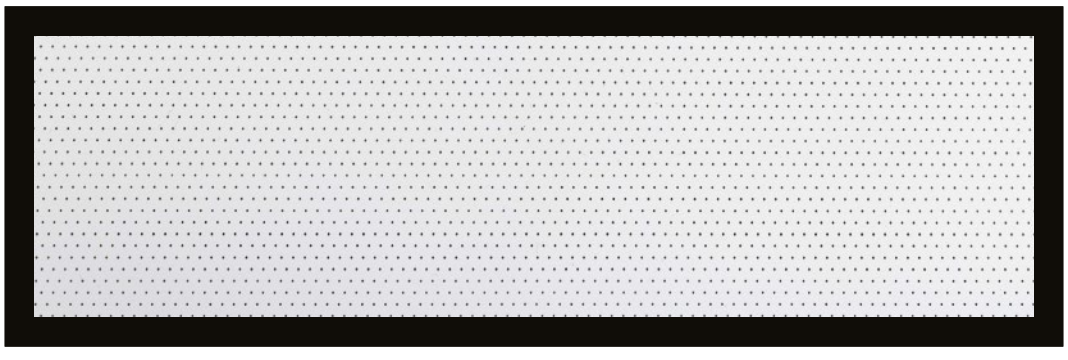
Acoustically transparent version of our matte white SolidPix™ 2 White 0.9 screen material. Maintaining the perfect color balance and off-axis gain of the non-acoustically transparent version, it achieves an improved level of performace for all those home-theatre applications where audio design is an important factor.
It is completely hot spot free and ensures reference video accurary for the whole audience, regardless of their positioning angle in relation to the screen.
This surface is ideal to be used with all types of projectors, particularly with the increased demand of ultra high definition materials.

## Features

> Micro-perforated matte white screen material
> Compatible with controlled ambient light conditions
> Near unity gain screen material with perfect color balance and white field uniformity
> No hot spots or loss of gain angle at the edges of the screen
> Suitable for 4K Ultra HD projections
> Resistant front surface
> ISF® and PVA certified

*Please check available screens for this projection surface on our pricelist.

## Sample



SolidPix™ 2 Sonic White 0.9

0.9 Gain
Acoustically Transparent
Full Viewing Angle
4K Ultra HD
Ultra-Short Throw
3D Active
3D Passive Spectral
isf®
PVA Certified

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Please verify that you are working with the latest version of this document before specifying your screen, as indicated on the Screen Research website.
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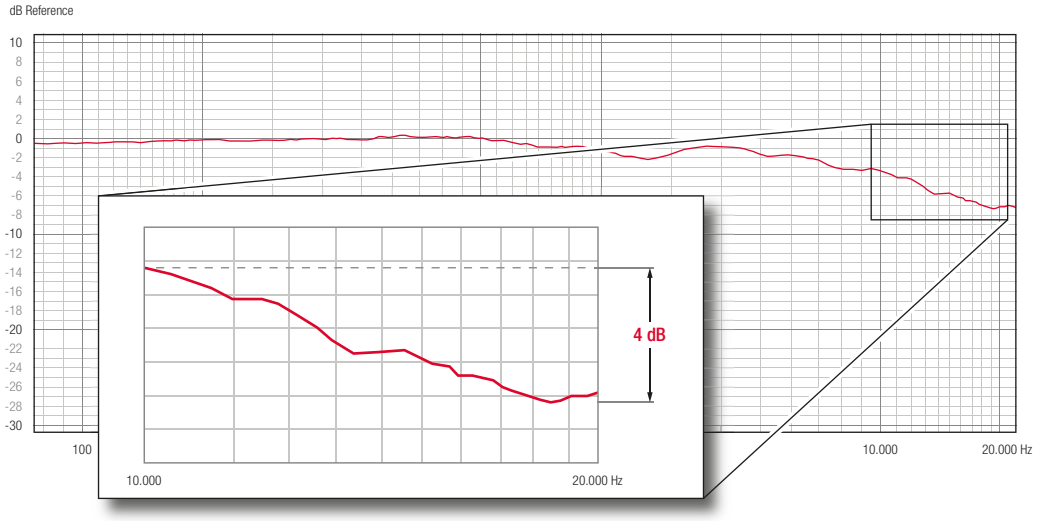
## Specifications

| | |
|---|---|
| **Material Type** | Flexible Front Projection |
| **True Gain** | 0.9 |
| **Viewing Angle** | 180° |
| **Resolution** | 4K Ultra HD Compatible |
| **Minimum Throw Distance** | UST |
| **Acoustic Transparency** | 4dB of Acoustic Loss Between 10kHz and 20kHz |
| **ALR Ambient Light Rejection** | 3/10 |
| **Lay Flat Quality** | Excellent |
| **Flame Resistance** | Yes |

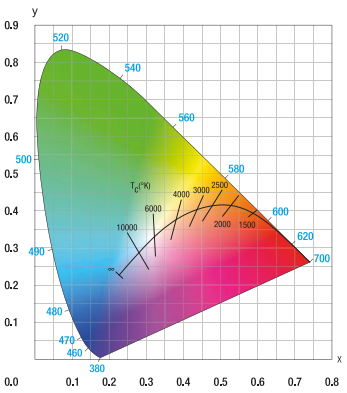
## Acoustic Transparency




Acoustical transparency is tested with impulse response measurements using a Log-Sine Sweep test signal and repeated eight (8) times. A measurement microphone is placed at a distance of 1m from the loudspeaker used for the test. First the system measures itself and the surrounding environment and the result is used as a transfer function for subsequent measurements. This provides a reference flat line response from 80Hz-22kHz (0dB line). Then, a 1m x 1m section of screen material is placed in front of the loudspeaker and measured. The results shown above are the deviations from the flat-line response caused by placing the screen material in front of the loudspeaker. Loss caused by the screen is indicated as a dB change between 10kHz and 20kHz.

## Reference Color Accuracy

At Screen Research we are very dedicated to achieve a flat spectral response with our screens. Our screen materials are designed to be easily calibrated to D65. Particular attention is dedicated to achieve a flat spectral response off-axis and to avoid even the smallest color-shifts, not only on-axis, but throughout the whole recommended viewing angle.

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