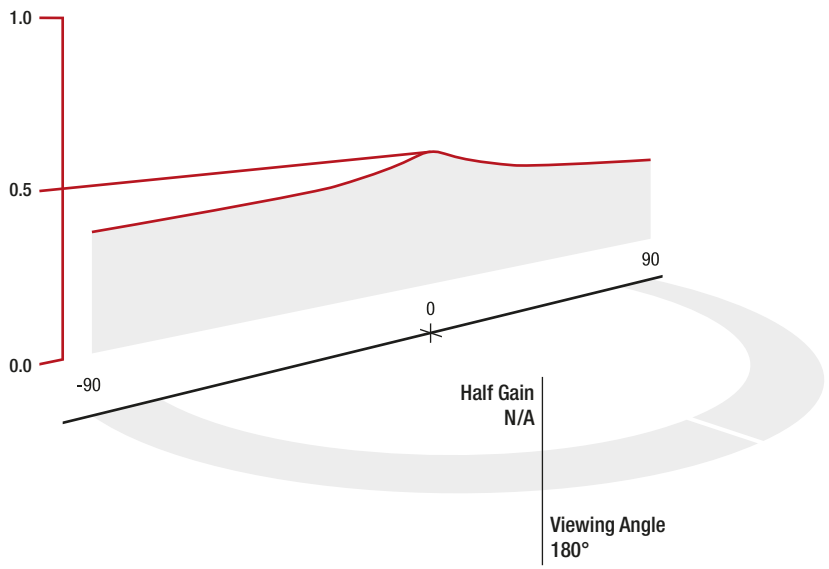
SolidPix™

SCREEN RESEARCH



SolidPix™ 3 Sonic Grey 0.5

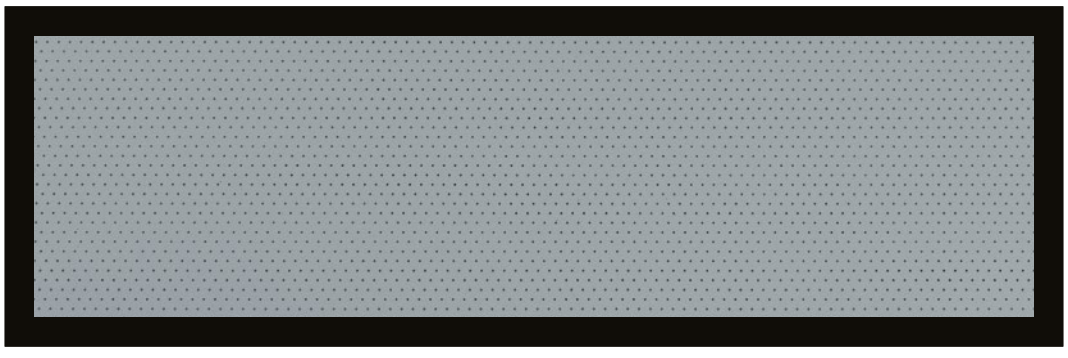
Acoustically transparent version of the other SolidPix Grey existing surface. It's appropriate for large home theatre screens and it's also compatible for applications with Ultra-Short Throw (UST) and Short Throw (ST) projectors.
This screen material is designed for all those application where audio design and modern powerful video projectors are key factors. Considering its extremely wide viewing angle, it provides reference and faithful color reproduction at any angle, also enhanceing image contrast and black levels in rooms with light colored walls and/or some ambient light presence.

Features

> Micro-perforated high-contrast grey material
> Compatible with UST (Ultra-Short Throw) and ST (Short-Throw) projectors
> Excellent 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™ 3 Sonic Grey 0.5

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

Adeo Screen All Rights Reserved - Release: January 2024 - Specifications are subject to change without notice.
Please verify that you are working with the latest version of this document before specifying your screen, as indicated on the Screen Research website.
www.screenresearch.com

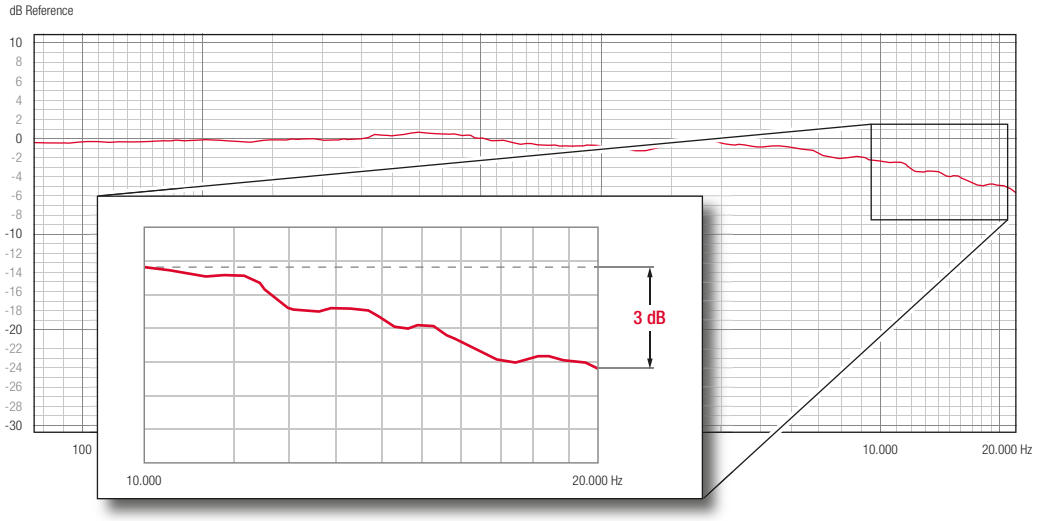
SolidPix™ 3 Sonic Grey 0.5

SCREEN RESEARCH

Specifications

Material Type	Flexible Front Projection
True Gain	0.5
Viewing Angle	180°
Resolution	4K Ultra HD Compatible
Minimum Throw Distance	UST
Acoustic Transparency	3dB of Acoustic Loss Between 10kHz and 20kHz
ALR Ambient Light Rejection	7/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

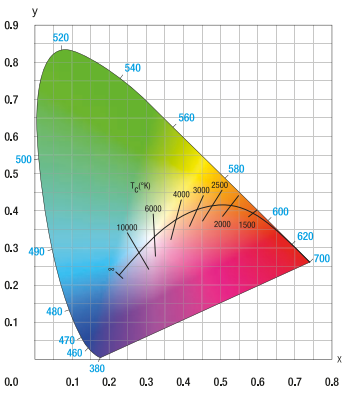
Acoustic Transparency



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.



Adeo Screen All Rights Reserved - Release: January 2024 - Specifications are subject to change without notice.
Please verify that you are working with the latest version of this document before specifying your screen, as indicated on the Screen Research website.
www.screenresearch.com