

SilverPix™ 3D Sonic 2 Silver 2.4

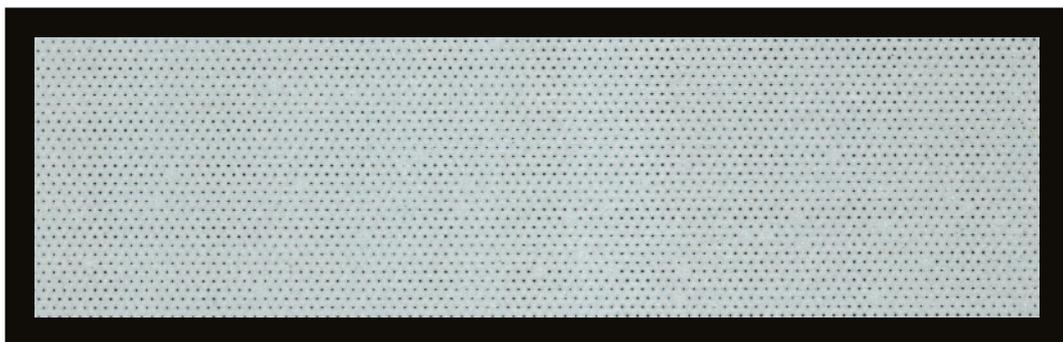
Micro-perforated version of the SilverPix™ 3D Silver 2.5 material. Designed specifically for passive polarized 3D applications and for 4K Ultra HD resolutions where acoustical transparency is required. Its specially coated surface preserves light polarization and eliminates crosstalk that can occur with stereoscopic passive polarized projection systems. In low and medium ambient light conditions it has superb dynamic range, excellent color reproduction and very good white field uniformity. It can also be used with excellent results for both 2D and Active 3D applications, providing remarkable contrast ratio and good viewing angle. High contrast ratio and high gain give very good results in more challenging ambient light conditions.

Features

- > Passive polarized 3D screen material
- > Acoustically transparent
- > Compatible also with 2D and Active 3D applications
- > Excellent extinction ratio
- > 2.4 Gain silver screen for both linear and circular polarization
- > Excellent contrast levels and dynamic range

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

Sample



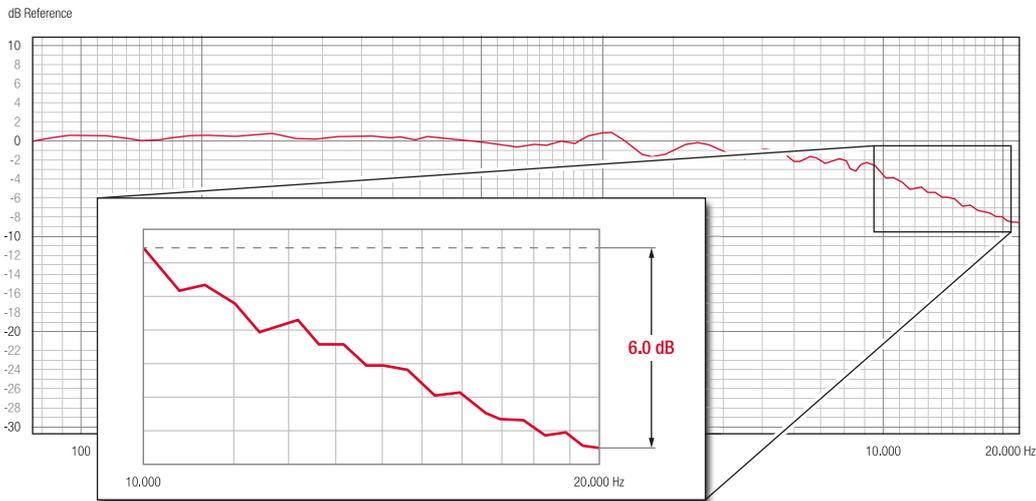
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Material Type

Material Type	Flexible Front Projection
Gain	2.4
Half Gain	25°
Viewing Angle	60°
Minimum Recommended Width for 4K	2.5m (or 100")
Minimum Throw Distance	1.5 x image width
Acoustic Transparency	-6dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	N/A
ALR Ambient Light Rejecting	9/10
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.

NOTE: SilverPix™ 3D Sonic 2 Silver 2.4 uses a special coating process that is applied after the screen material has been micro-perforated. This can cause closing of a certain number of holes, which has been taken into account in the design of the screen material. The acoustical measurements and testing have been done in a real-world use scenario and the declared acoustical transparency data reflects this.

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.

