

ClearPix™ 2 White 1.0

Screen Research's patented ClearPix™ 2 acoustically transparent screen material is certified by both THX and ISF ensuring superb video and audio performance. Its non-geometric structure allows sound to pass through with minimal attenuation, therefore no modification of the loudspeaker response curve is necessary and comb-filter effects as experienced with perforated screen material designs are eliminated.

ClearPix™ 2 White 1.0 is ideal for use in controlled light conditions and its color balance and white field performance characteristics means optimal performance with virtually any fixed pixel matrix projector without any moiré effects.

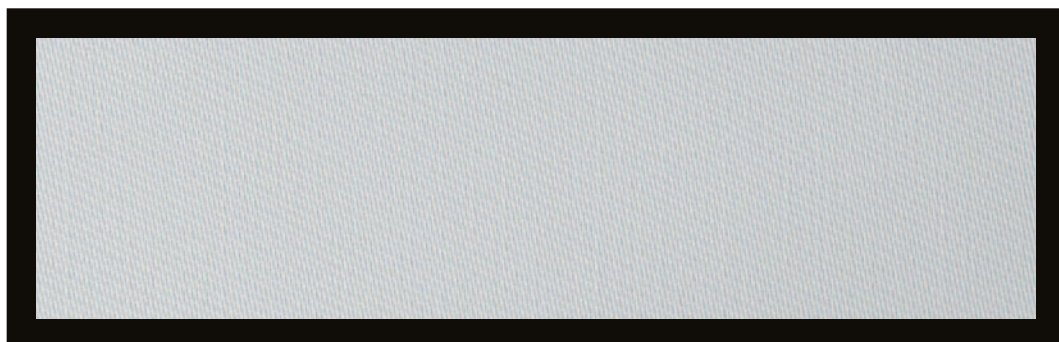
All ClearPix™ screens feature a StopLight™ black backing layer as standard. This stops projected light from passing through the screen surface and causing distracting reflections from any elements placed behind the screen.

Features

- > Reference performance acoustically transparent matte white screen material
- > Compatible with controlled light conditions
- > Perfect color balance and white field uniformity with no hot spots
- > Moiré-free
- > Patented design
- > THX and ISF certified

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

Sample



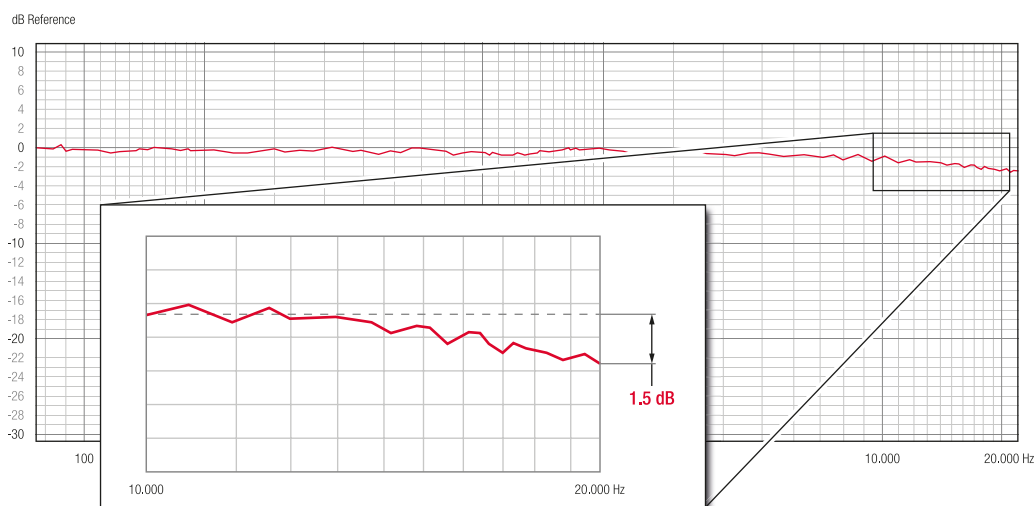
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Material Type

Material Type	Flexible Front Projection
Gain	1.0
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	2.0m (or 80")
Minimum Throw Distance	N/A
Acoustic Transparency	-1.5dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	-2.25dB (10kHz – 20kHz)
ALR Ambient Light Rejecting	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.

