

ClearPix™ 2 Grey 0.8

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Offering the same reference level of THX certified acoustic transparency and moiré-free video characteristics as ClearPix™ 2 White 1.0, ClearPix™ 2 Grey 0.8 achieves enhanced performance in the following scenarios:

- > When used with lower-end projectors, it improves the quality of blacks and increases the contrast when watching dark scenes, which can be a drawback with this class of projector
- > When using top-of-the-range high luminosity projectors, ClearPix™ 2 Grey 0.8 can be used to dim the intensity of the blacks without affecting white levels
- > When used with bright projectors and smaller screens it increases the contrast ratio by reducing the black level

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 grey screen material
- > Compatible with ambient 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.

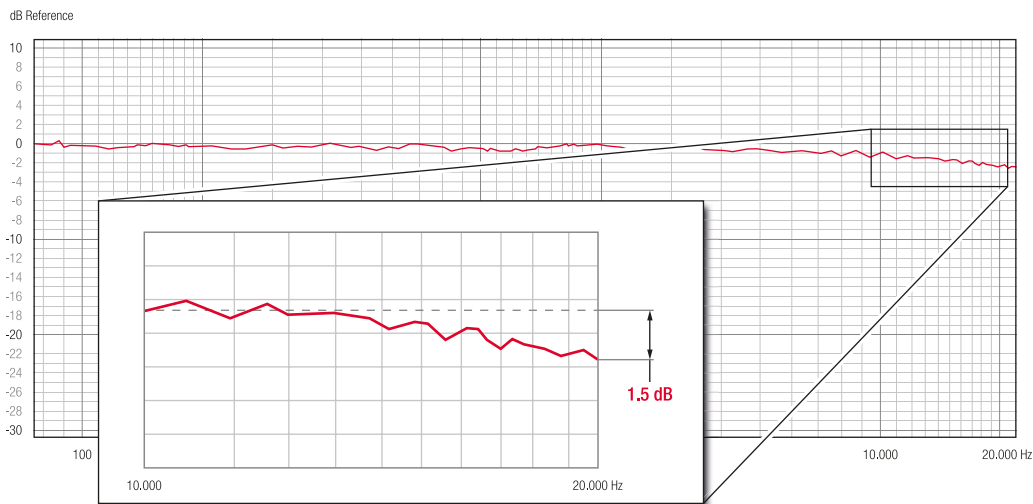
Sample



Material Type

Material Type	Flexible Front Projection
Gain	0.8
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)
Ambient Light Resistance	5/10
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.

