SCREEN RESEARCH

Summary of Screen Materials Available

ClearPix™ 4K	White 1.0
ClearPix™ 2	White 1.0 Grey 0.8
MultiPix™ 4K	White 1.35 Grey 1.3
SolidPix™	White 1.0 Sonic White 0.9
SolidPix™ 2	Grey 0.9
SilverPix™ 3D	Silver 2.5 Sonic 2 Silver 2.4

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Fabric Guide

	ClearPix			MultiPix		SolidPix			SilverPix	
	ClearPix™ 4K White 1.0	ClearPix™ 2 White 1.0	ClearPix™ 2 Grey 0.8	MultiPix™ 4K White 1.35	MultiPix™ 4K Grey 1.3	SolidPix™ White 1.0	SolidPix™ Sonic White 0.9	SolidPix™ 2 Grey 0.9	SilverPix™ 3D Silver 2.5	SilverPix™ 3D Sonic 2 Silver 2.4
Code	4W	2W	2G	M3W	M3G	S1W	PPW	S2G	3D	3DM
Gain	1.0	1.0	0.8	1.35	1.3	1.0	0.9	0.9	2.5	2.4
Viewing Angle	160	160	160	140	120	160	160	150	60	60
4K Ultra HD Compatibility	Yes	Yes *	Yes *	Yes	Yes	Yes	Yes **	Yes	Yes	Yes **
Acoustic Transparency	-0.75dB	-1.5dB	-1.5dB	N/A	N/A	N/A	-4.75dB	N/A	N/A	-6dB
Moiré Free	Yes	Yes	Yes	No	No	No	No	No	No	No
Ambient Light Resistance	3/10	3/10	5/10	5/10	8/10	2/10	2/10	6/10	9/10	9/10
3D Active Compatibility	Better	Better	Good	Best	Better	Better	Good	Good	Best	Best
3D Passive Spectral Compatibility	Better	Better	Good	Best	Better	Better	Good	Good	Best	Best
3D Passive Polarized Compatibility	No	No	No	No	No	No	No	No	Best	Best
ISF Certified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
THX Certified	Yes	Yes	Yes	No	No	No	No	No	No	No

* Minimum 2.0m screen width necessary

** Minimum 2.5m screen width necessary

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Icon Descriptions

Gain Value

Defines on-axis gain of the screen compared to the reference 1.0 diffusive Spectralon PTFE material. Light source is first calibrated to D65 with PTFE material. Luminance measurement is taken and then compared with the measurement of the same light source reflected by the screen material under test.

Viewing Angle

Recommended maximum viewing angle of the screen. Angle of the viewing area (in reference to the screen central point) should not exceed the recommended viewing angle.

4K Ultra HD

Screen materials recommended for 4K applications. For screen materials that have a visible structure (like micro-perforated screens) Screen Research defines minimum screen width for 4K resolution applications. At sizes equal and larger than minimum recommended width, these screen materials are compatible with 4K applications.

True Acoustic Transparency

Usually refers to our patented award-winning ClearPix™ woven screen materials. Loudspeakers can be positioned behind these screens. No EQ is required because these truly acoustically transparent materials do not result in any loss at high frequencies that can be heard. Indicates truly acoustically transparent screens that show a lost below 2.5dB between 10kHz – 20 kHz.

Acoustically Transparent

Usually refers to the micro-perforated screen materials, identified as Sonic in our range. Loudspeakers can be positioned behind these screens. As with any perforated screen material, EQ is required to compensate for the screen loss at high frequencies. Indicates acoustically transparent screens that show a lost of over 2.5dB and below 6dB between 10kHz – 20kHz.

Moiré Free

Refers to the truly acoustically transparent woven screens. With any solid perforated screen material when used with fixed matrix projectors in certain condition moiré effect can be seen (particularly when the projected pixel size is similar to the distance between the perforations in the screen). Our reference woven screen materials eliminate or greatly reduce this effect compared to the perforated screen materials.

3D Active

The active shutter glasses that are required for this application are synchronized with the projector's frequency by IR signal. Due to the inherent light loss resulting, a positive gain screen material is recommended.

3D Passive Spectral

This system uses a unique full-spectrum color technology. The audience wears passive 3D glasses with complementary filters precisely tuned to match the filters in the projector, ensuring that each eye sees the correct image. Due to the inherent light loss resulting, a positive gain screen material is recommended.

3D Passive Polarized

This technology is a polarized 3D system that uses circularly polarized light to produce stereoscopic image projection. The viewer wears eyeglasses which contain a pair of different polarizing filters. Special high-gain Silver screen materials are necessary to maintain the light polarization upon reflection and to reduce the inherent losses caused by the polarization filters.

isf® Certified Screen Material

Certified by Imaging Science Foundations (ISF). Meets and exceeds required performance standards for video excellence.

THX® Certified Screen Material

Certified by THX®. Meets and exceeds required performance standards for audio and video excellence.

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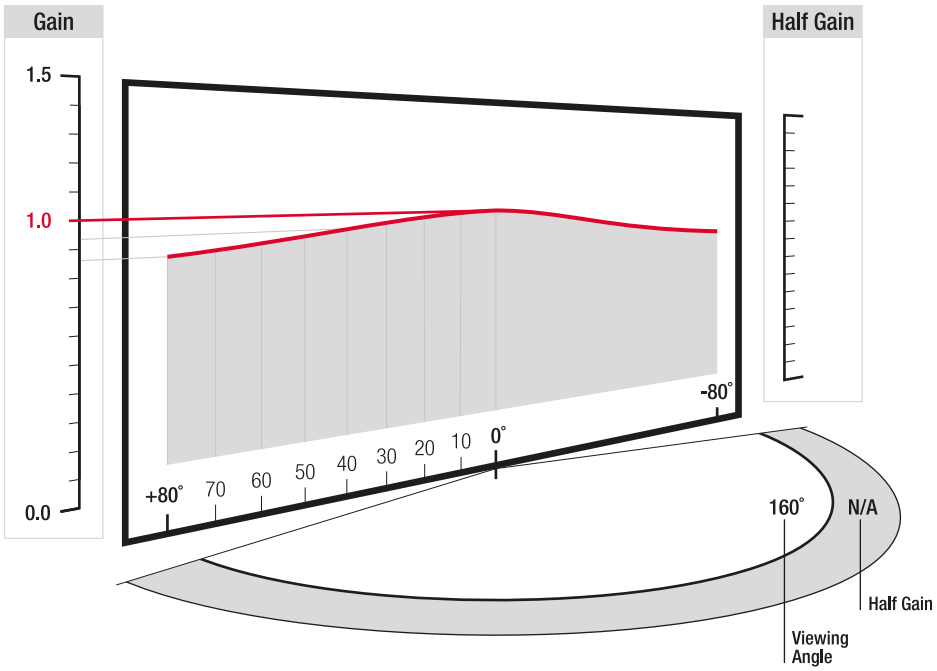
ClearPix™ 4K White 1.0



ClearPix™ 4K White 1.0

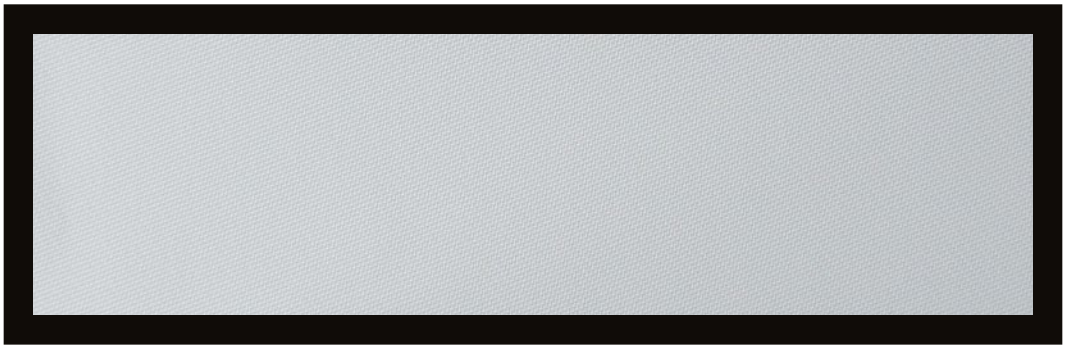
Designed specifically for a new UltraHD resolutions (up to 4K and beyond). It is conceived primarily for the best Reference Home Theater applications in controlled light environments. ClearPix™ 4K is the best solution for a no-compromise Ultra-High Definition picture, providing as well true acoustic transparency. It surpasses even the legendary acoustic transparency of our award-winning and patented ClearPix™ 2 screen material. Its non-geometric structure allows sound to pass through with no attenuation and therefore no modification of the loudspeaker response curve is necessary.
A perfectly flat-spectral color response is maintained even off-axis throughout the whole recommended viewing angle. It is certified by both THX and ISF ensuring reference audio and video performance. 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
> Designed specifically for 4K Ultra HD resolutions
> 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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ClearPix™ 4K White 1.0

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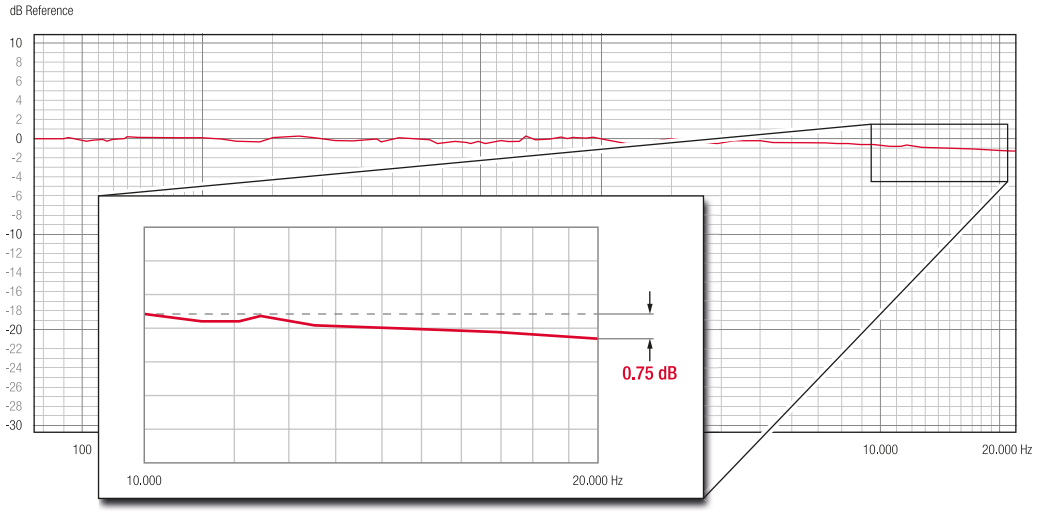
Material Type

Material Type	Flexible Front Projection
Gain	1.0
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	N/A
Acoustic Transparency	-0.75dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	-1.5dB (10kHz – 20kHz)
Ambient Light Resistance	3/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

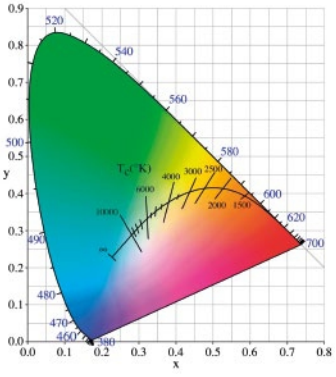
Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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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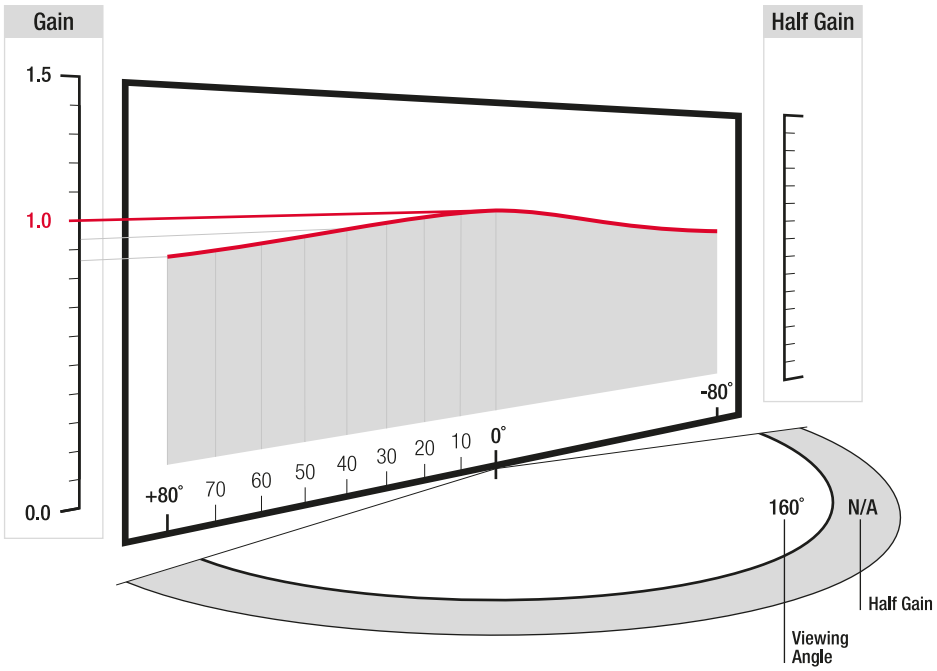
ClearPix™ 2 White 1.0



ClearPix™ 2 White 1.0

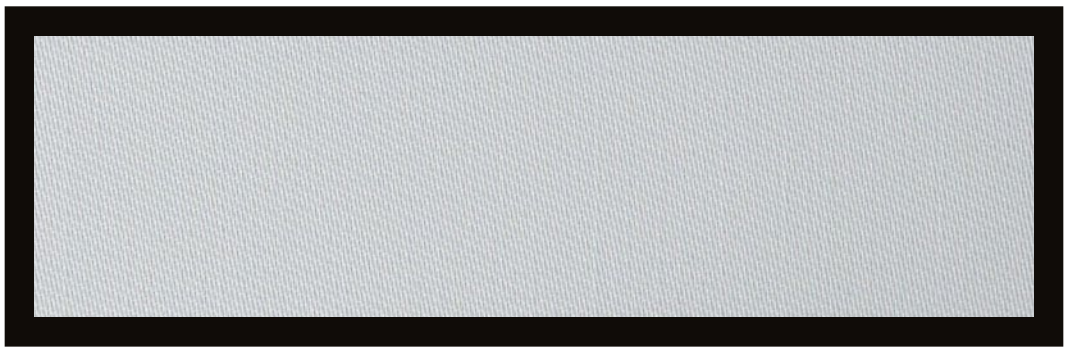
Screen Research's patented ClearPix™ 2 acoustically transparent screen material is certified by both THX and ISF ensuring superb video and audio performance. Its non-geometric structure allows sound to pass through with minimal attenuation, therefore no modification of the loudspeaker response curve 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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ClearPix™ 2 White 1.0

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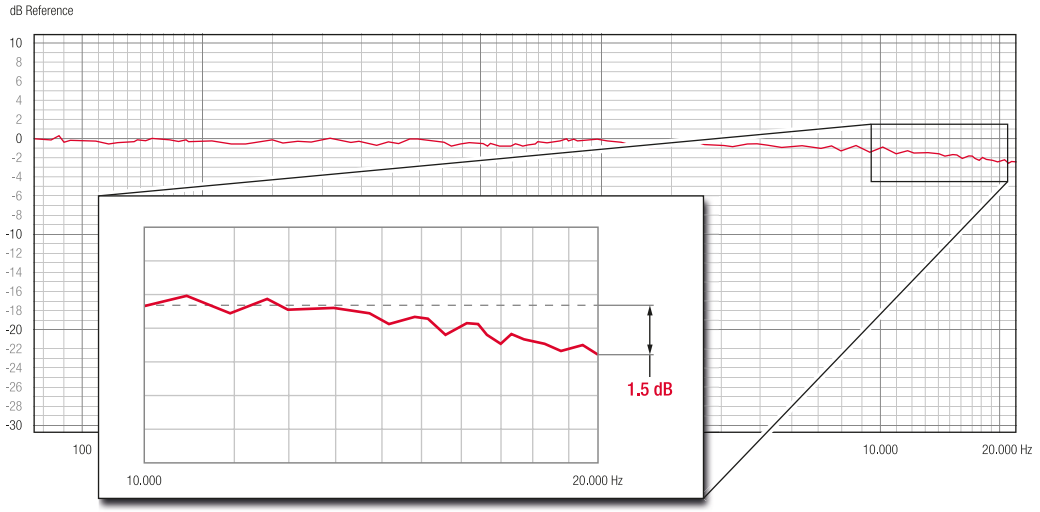
Material Type

Material Type	Flexible Front Projection
Gain	1.0
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	2.0m
Minimum Throw Distance	N/A
Acoustic Transparency	-1.5dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	-2.25dB (10kHz – 20kHz)
Ambient Light Resistance	3/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

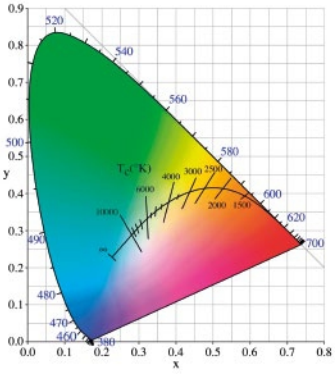
Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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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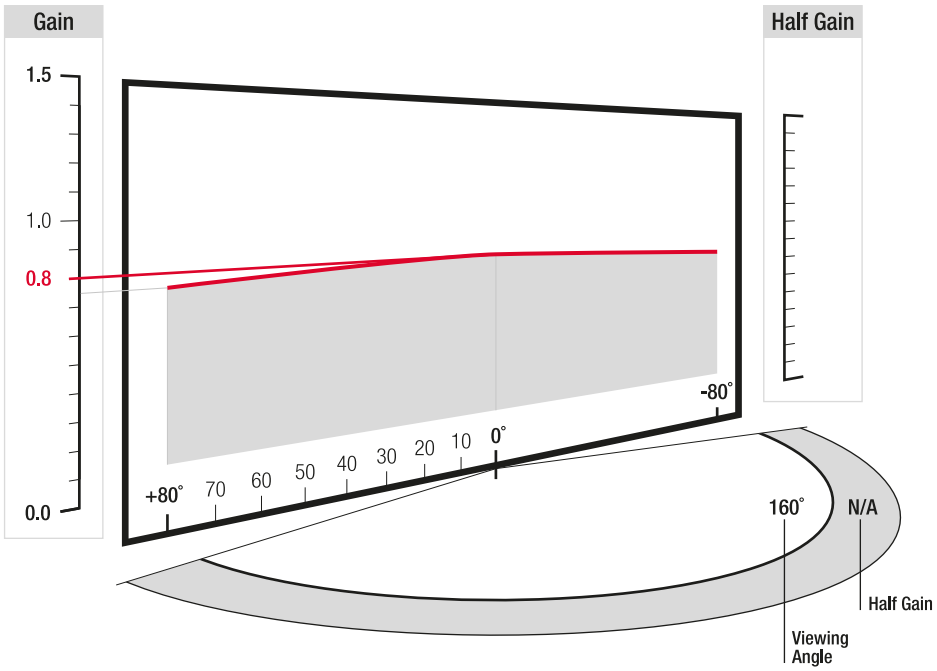
ClearPix™ 2 Grey 0.8



ClearPix™ 2 Grey 0.8

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

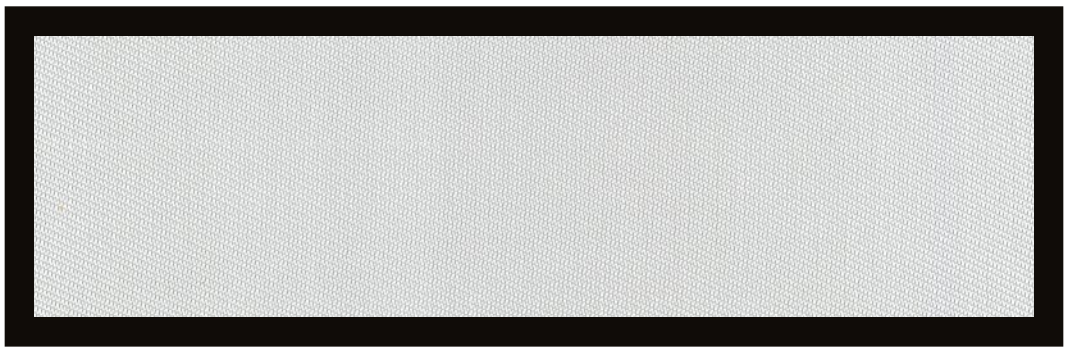
All ClearPix™ screens feature a StopLight™ black backing layer as standard. This stops projected light from passing through the screen surface and causing distracting reflections from any elements placed behind the screen.

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



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ClearPix™ 2 Grey 0.8

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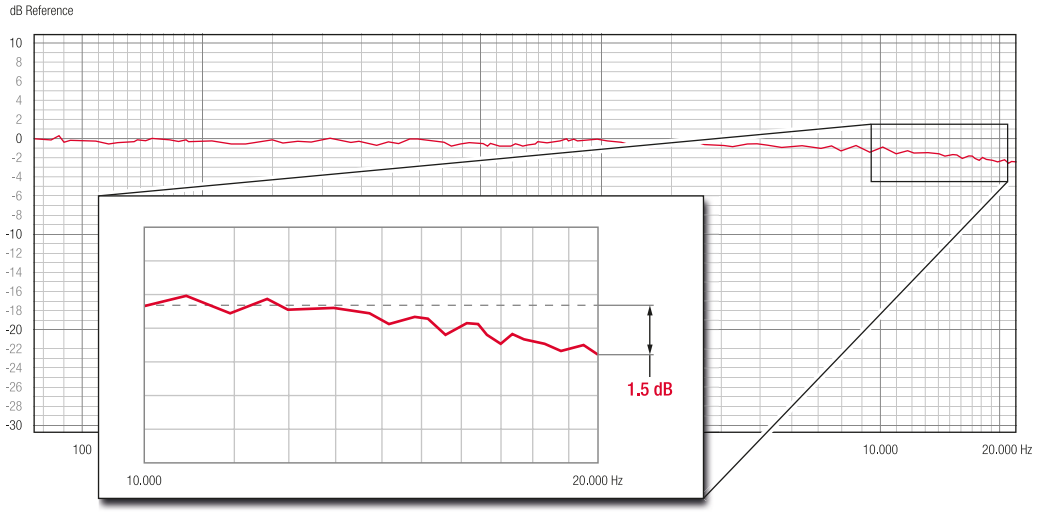
Material Type

Material Type	Flexible Front Projection
Gain	0.8
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	2.0m
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 Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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

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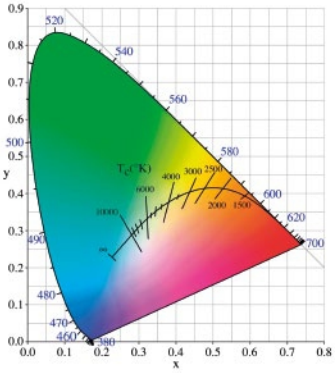

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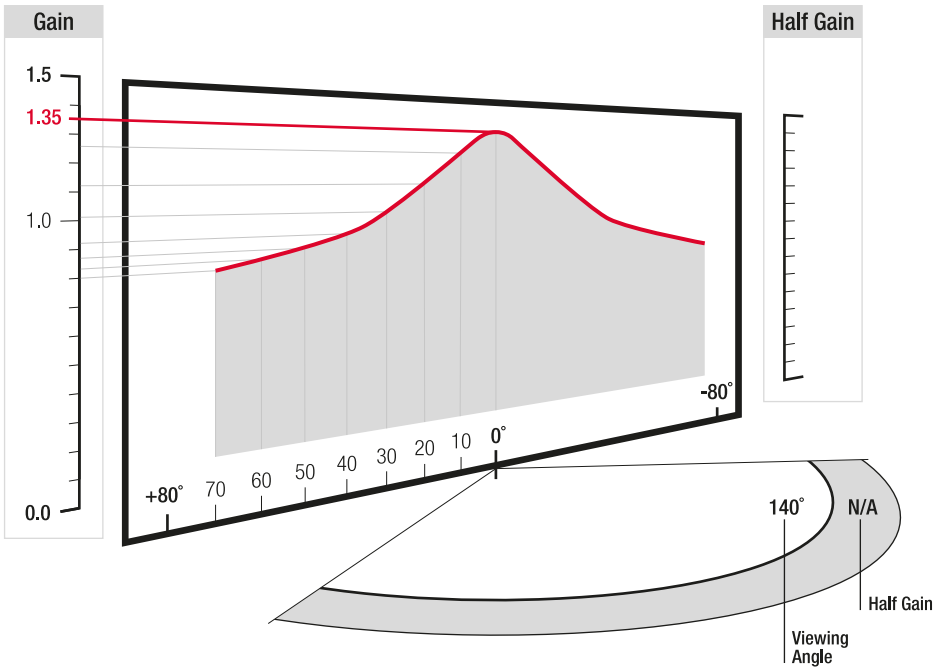
MultiPix™ 4K White 1.35



MultiPix™ 4K White 1.35

Screen Research's proprietary MultiLayer™ technology allows the performance of MultiPix™ screen materials to be optimized for a variety of applications. MultiPix™ 4K White 1.35 offers high gain performance combined with reference off-axis colorimetric response. It is particularly well suited for Active 3D applications. Recommended in low ambient light conditions or where a larger screen size is required. Designed specifically for fixed-pixel Ultra-High definition projectors, giving excellent results in both 4K and 2K applications. Future-proof tested with resolutions up to 8K.

Features

> Reference white screen material with high gain performance
> Proprietary MultiLayer™ technology
> Designed for 4K Ultra-High resolution videoprojectors
> Excellent off-axis colorimetric response
> Recommended for Active 3D applications
> Perfect color balance and white field uniformity with no hot spots
> Compatible with low ambient light conditions
> Resistant front surface
> ISF certified screen

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

1.35 Gain

140° Viewing Angle

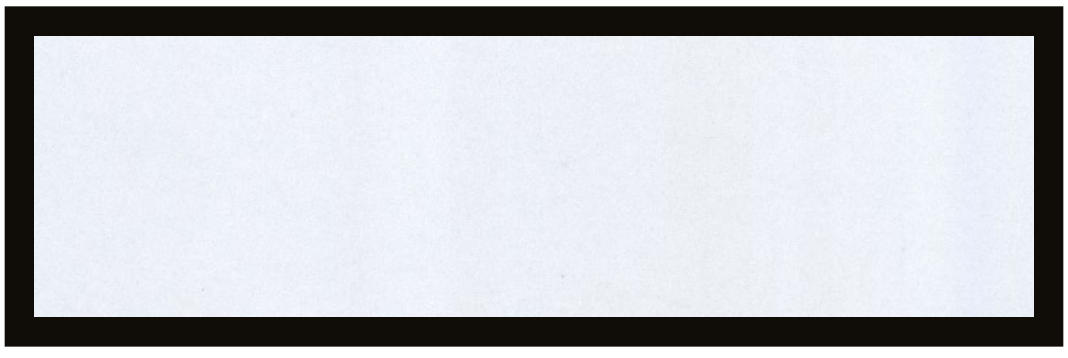
4K Ultra HD

3D Active

3D Passive Spectral

isf

Sample



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MultiPix™ 4K White 1.35

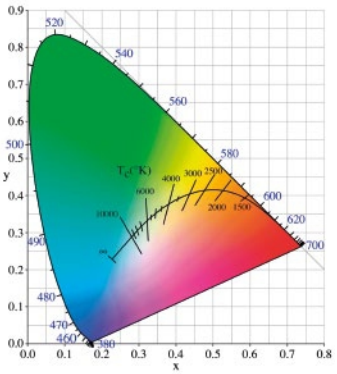
SCREEN RESEARCH

Material Type

Material Type	Flexible Front Projection
Gain	1.35
Half Gain	N/A
Viewing Angle	140°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	1.5 x image width
Acoustic Transparency	N/A
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	5/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

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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MultiPix™

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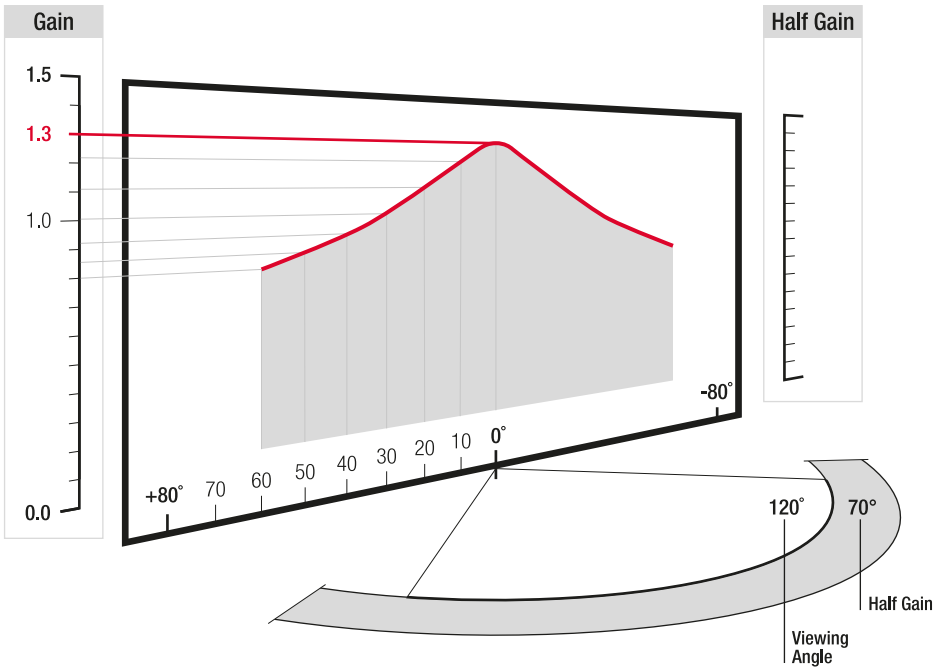
MultiPix™ 4K Grey 1.3



MultiPix™ 4K Grey 1.3

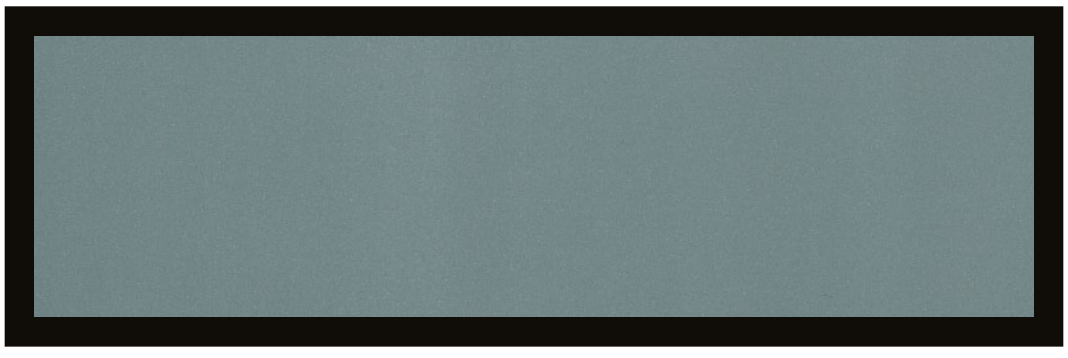
Screen Research's proprietary MultiLayer™ technology allows the performance of MultiPix™ screen materials to be optimized for a variety of applications. MultiPix™ 4K Grey 1.3 offers high gain performance combined with reference off-axis colorimetric response and excellent ambient light resistance. Recommended in challenging ambient light conditions, excellent for Reference Media-Room applications. Designed specifically for fixed-pixel Ultra-High definition projectors, giving excellent results in both 4K and 2K applications. Future-proof tested with resolutions up to 8K.

Features

> Reference grey screen material with positive gain performance
> Proprietary MultiLayer™ technology
> Designed for 4K Ultra-High resolution videoprojectors
> Excellent Off-Axis colorimetric response
> Compatible with Active 3D applications
> Perfect color balance and white field uniformity with no hot spots
> Compatible with challenging ambient light conditions
> Resistant front surface
> ISF certified screen

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

Sample



1.3 Gain

120° Viewing Angle

4K Ultra HD

3D Active

3D Passive Spectral

isf

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MultiPix™ 4K Grey 1.3

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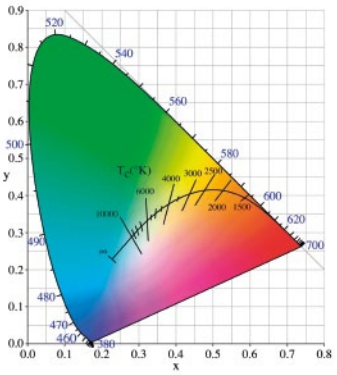
Material Type

Material Type	Flexible Front Projection
Gain	1.3
Half Gain	70°
Viewing Angle	120°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	1.5 x image width
Acoustic Transparency	N/A
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	8/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

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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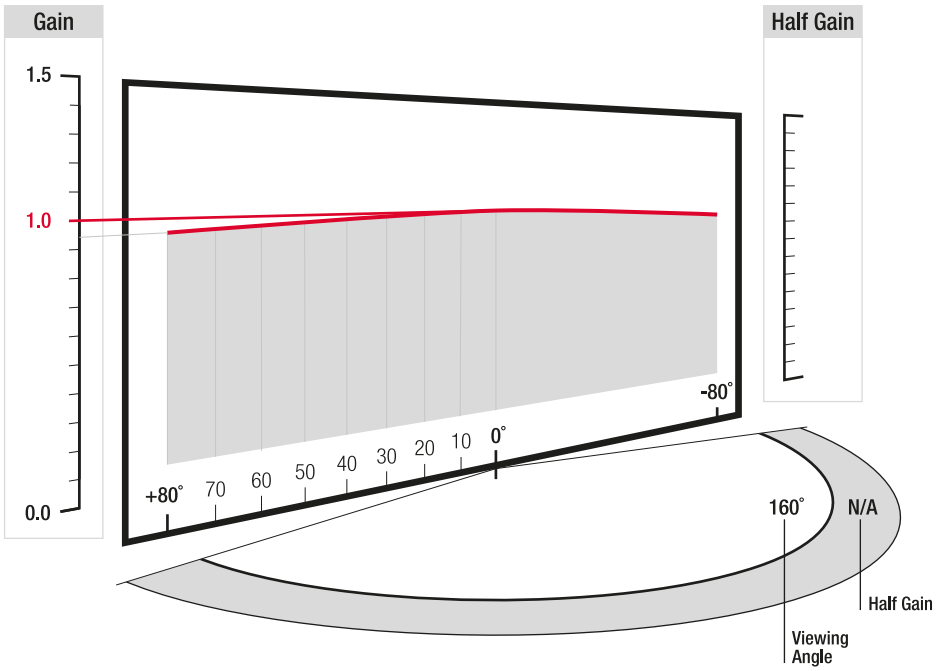
SolidPix™ White 1.0



SolidPix™ White 1.0

The ISF certified SolidPix™ White 1.0 screen material offers perfect color balance and off-axis gain, resulting in no hot spots and ensuring the best video presentation for the entire audience.
Excellent color and gain performance makes SolidPix™ fabrics ideal for use with all types of projectors, particularly with the increased demand of high definition materials. Suitable to be used with all fixed and motorized screen models, SolidPix™ is also compatible with Screen Research's E-Grip™ screen material attachment system.

Features

> Reference performance matte white solid screen material
> Compatible with controlled light conditions
> 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
> Resistant front surface
> ISF certified

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

Sample

1.0 Gain
160° Viewing Angle
4K Ultra HD
3D Active
3D Passive Spectral
isf

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SolidPix™ White 1.0

SCREEN RESEARCH

Material Type

Material Type	Flexible Front Projection
Gain	1.0
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	N/A
Acoustic Transparency	N/A
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	2/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Reference Color Accuracy

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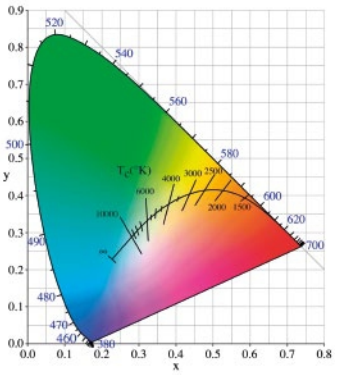

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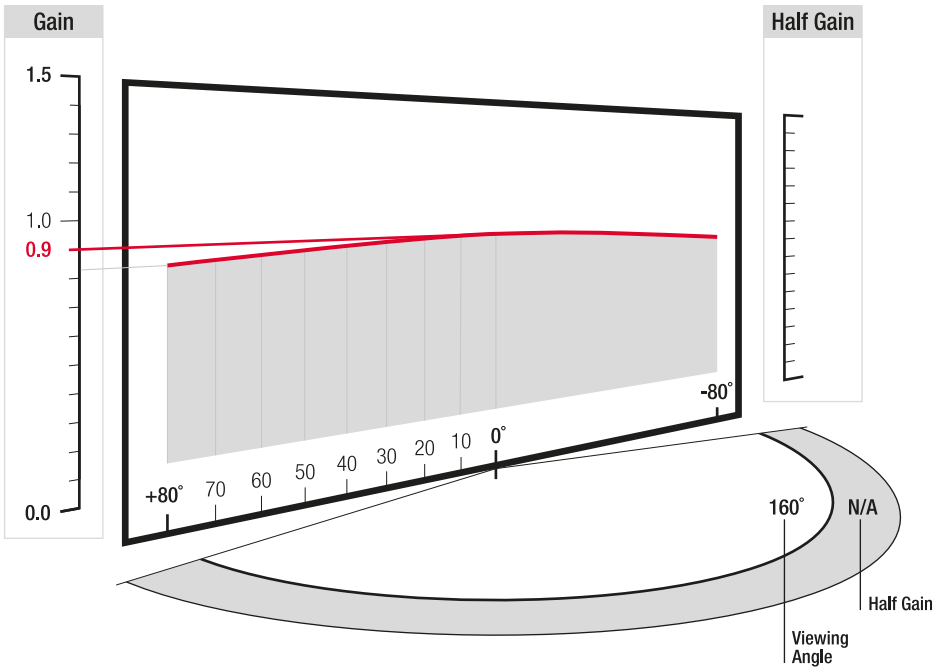
SolidPix™ Sonic White 0.9



SolidPix™ Sonic White 0.9

Acoustically transparent version of SolidPix™ White 1.0 material and previously known as PerfPix™, has been now renamed. Perfect color balance and off-axis gain, resulting in no hot spots and ensuring the best video presentation for the entire audience.
Excellent color and gain performance makes SolidPix™ fabrics ideal for use with all types of projectors, particularly with the increased demand of high definition materials. Suitable to be used with all fixed and motorized screen models, SolidPix™ is also compatible with Screen Research's E-Grip™ screen material attachment system.

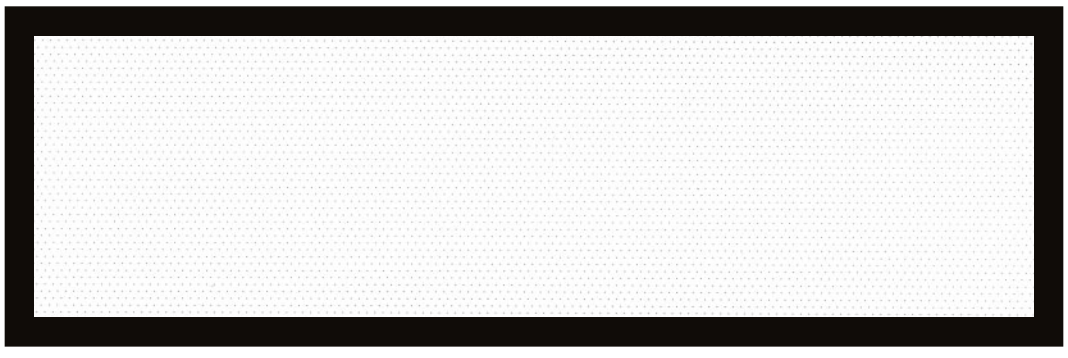
Features

> Micro-perforated white screen material
> Compatible with controlled light conditions
> 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
> Resistant front surface
> ISF certified

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

0.9 Gain
160° Viewing Angle
4K Ultra HD
Acoustically Transparent
3D Active
3D Passive Spectral
isf

Sample



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SolidPix™ Sonic White 0.9

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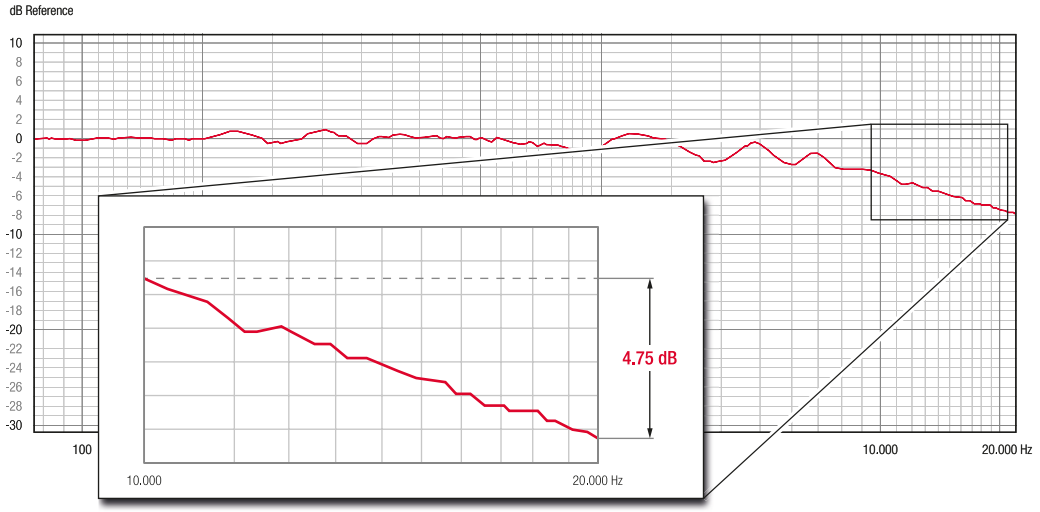
Material Type

Material Type	Flexible Front Projection
Gain	0.9
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	2.5m
Minimum Throw Distance	N/A
Acoustic Transparency	-4.75dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	2/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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

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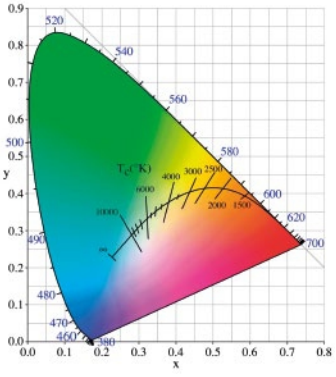

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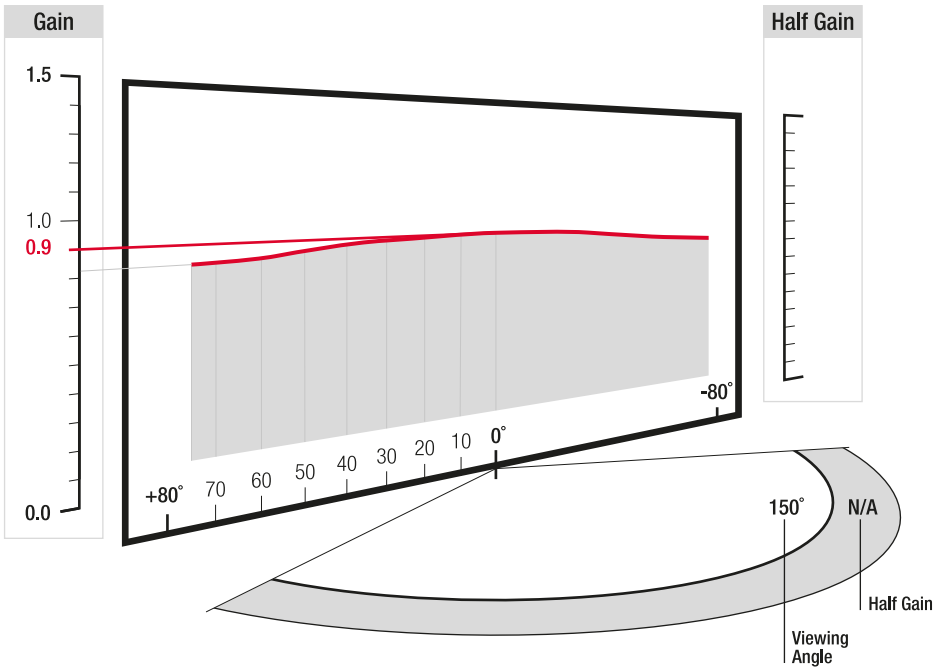
SolidPix™ 2 Grey 0.9



SolidPix™ 2 Grey 0.9

The ISF certified SolidPix™ 2 Grey 0.9 screen material is designed for use with all fixed pixel matrix projectors and to enhance image contrast and black level in rooms with light colored walls.
SolidPix™ 2 Grey 0.9 provides excellent performance in ambient-light conditions and yet retains a wide viewing angle making it appropriate also for large home theater screens. Suitable to be used with all fixed and motorized screen models, SolidPix™ 2 Grey 0.9 is also compatible with Screen Research's E-Grip™ attachment system.

Features

> Solid high-contrast grey fabric with deep black levels
> Compatible with controlled ambient light conditions
> Unity gain fabric with perfect color balance and white field uniformity
> No hot spots or loss of gain angle at the edges of the screen
> Resistant front surface
> ISF certified

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

0.9 Gain

150° Viewing Angle

4K Ultra HD

3D Active

3D Passive Spectral

isf

Sample

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SolidPix™ 2 Grey 0.9

SCREEN RESEARCH

Material Type

Material Type	Flexible Front Projection
Gain	0.9
Half Gain	N/A
Viewing Angle	150°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	N/A
Acoustic Transparency	N/A
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	6/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Reference Color Accuracy

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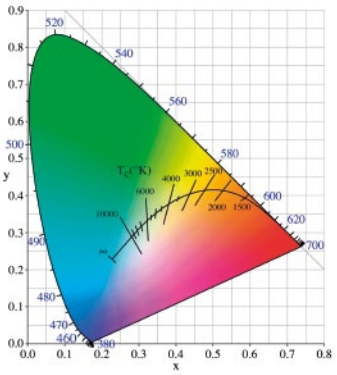

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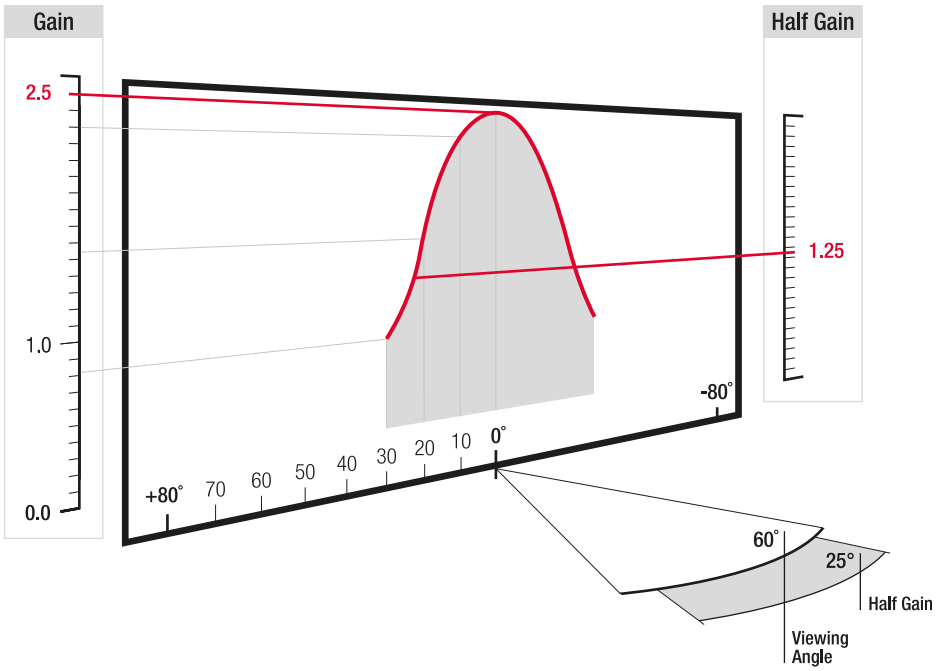
Silver Pix™

SCREEN RESEARCH

SilverPix™ 3D Silver 2.5



SilverPix™ 3D Silver 2.5

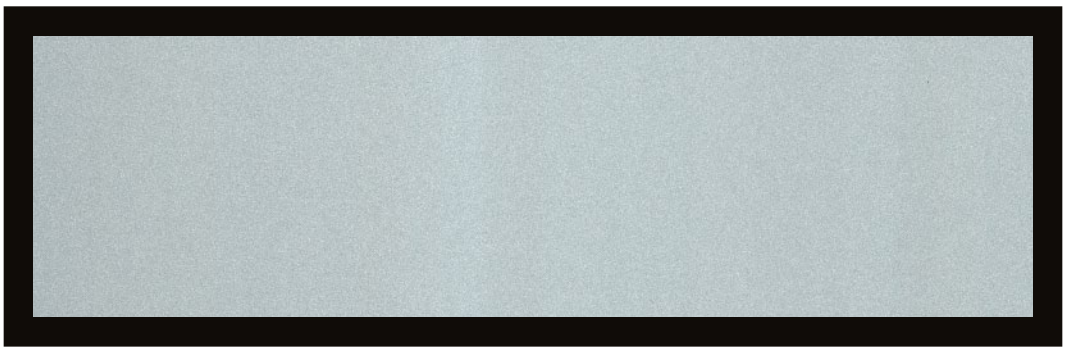
SilverPix™ 3D Silver 2.5 material is designed specifically for passive polarized 3D applications and for 4K Ultra HD resolutions. Its specially coated surface preserves light polarization and eliminates crosstalk that can occur with stereoscopic passive polarized projection systems. In low and medium 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
> Compatible also with 2D and Active 3D applications
> Designed for 4K Ultra HD resolutions
> Excellent extinction ratio
> 2.5 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



2.5 Gain

60° Viewing Angle

4K Ultra HD

3D Active

3D Passive Spectral

3D Passive Polarized

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SilverPix™ 3D Silver 2.5

SCREEN RESEARCH

Material Type

Material Type	Flexible Front Projection
Gain	2.5
Half Gain	25°
Viewing Angle	60°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	1.5 x image width
Acoustic Transparency	N/A
Acoustic Transparency (incl. BB Layer)	N/A
Ambient Light Resistance	9/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Reference Color Accuracy

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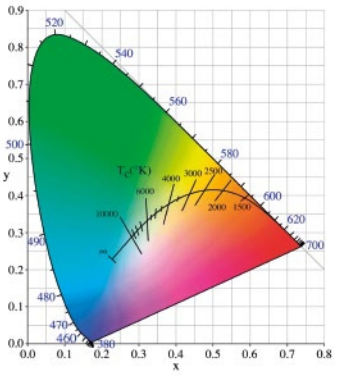

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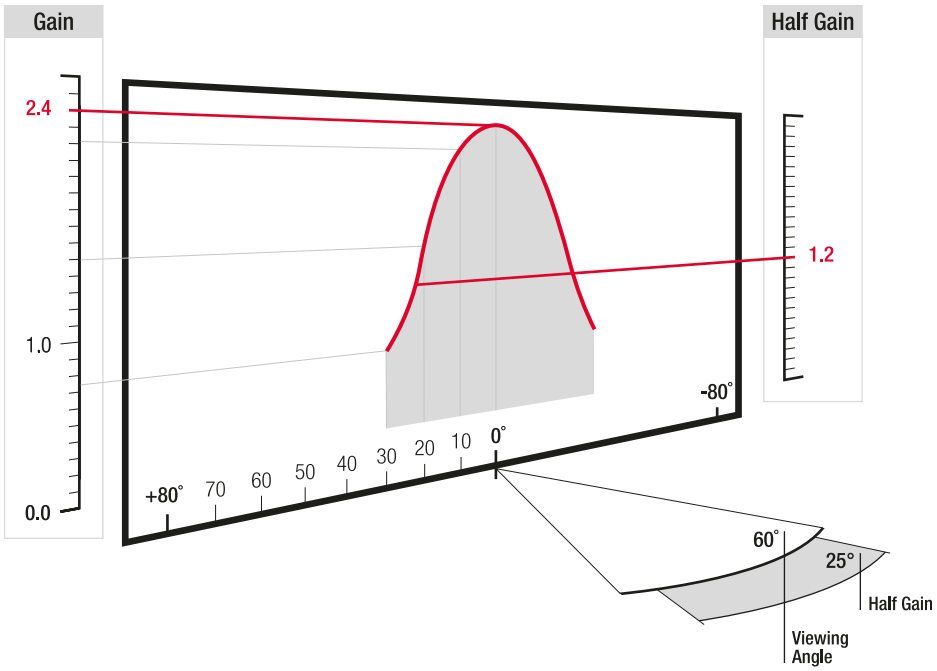
SilverPix™

SCREEN RESEARCH



SilverPix™ 3D Sonic 2 Silver 2.4

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.

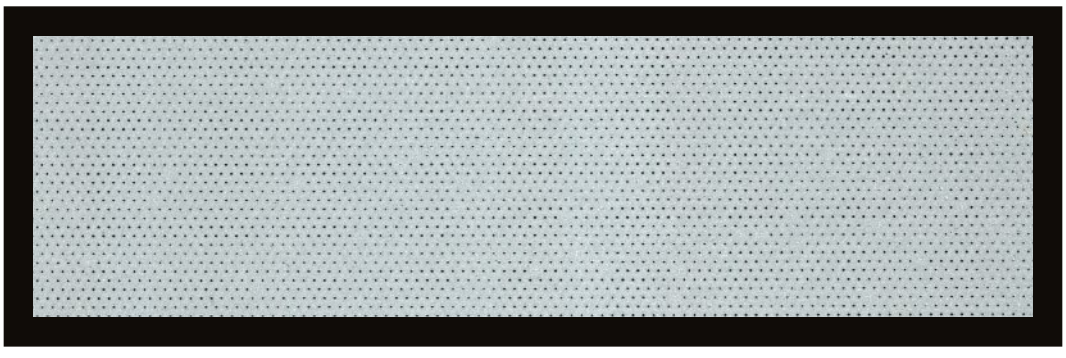
Features

> 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

2.4 Gain
60° Viewing Angle
4K Ultra HD
Acoustically Transparent
3D Active
3D Passive Spectral
3D Passive Polarized

Sample



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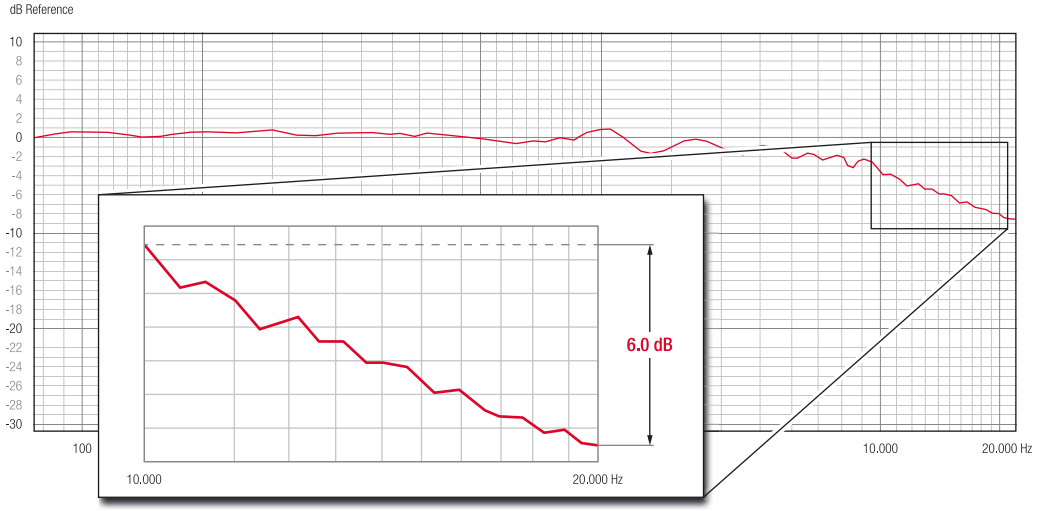
SilverPix™ 3D Sonic 2 Silver 2.4

SCREEN RESEARCH

Material Type

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

Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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+ 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.

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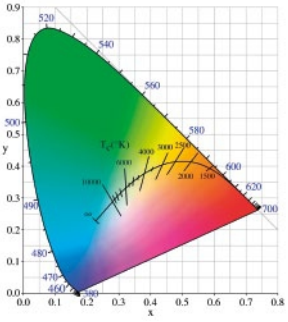

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