



**Product overview**

Horizon™ is a range of floating acoustic panels that create a cloud-like illusion when suspended. Made from 100% polyester fiber, Horizon panels are lightweight yet strong—holding form over their lifetime. Horizon can be installed on ceilings and walls without the need for clear space, as the channels, clips, and suspension wires require limited contact.

**Panel fixing system patent**

US Patent 10,113,312

**Sustainable material**

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content - >60% recycled material
- Low VOC and CDPH compliant - <0.092 mg/m<sup>3</sup> (7 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

**Environmental certifications**

- EPD – compliant with ISO 14025 and EN 15804
- Declare – Red List free (third party verified)
- ISO 14001 Certified Environmental Management
- Health Product Declaration
- CDPH Standard



**Certifying your green building**

Autex Acoustics products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit [www.autexglobal.com](http://www.autexglobal.com), or speak with your Autex Acoustics account manager.

**Specification**

Acoustic panels shall be Horizon ( ) as compiled by Autex [www.autexglobal.com](http://www.autexglobal.com)

Acoustic absorber Horizon (Rectangle 3.93' x 7.87'), (Square 3.93' x 3.93'), (Circle 3.93' Diam.), (Right Angled Triangles 3.93' x 3.93'), (Oval 3.93 x 7.87'), (Hexagons 3.60' across the widest point) 1" thick. Color ( ),

Fire Rating ISO 9705: 1993: Group 1-S, AS ISO 9705 – 2003: Group 1, 24 mm BS EN 13501-1:2018: B - s2, d2. ASTM E-84-15a: Class A, FS:0 - SD:45.

Seismic bracing as per local building code requirements.

Supplied with Autex attachment, suspension, or direct fix sets; fix with countersunk fastener appropriate for the substrate. Install as per Horizon Install Instructions.



## Product specifications

Product name	Horizon™ Oval
Composition	100% polyester fiber
Panel dimensions	3.93' x 7.87'
Tolerance	(+/- 0.2") x (+/- 0.2")
Thickness	1"
Tolerance	(+/- 6%)
Weight	12 oz/ft <sup>2</sup>

## Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

## Acoustic performance

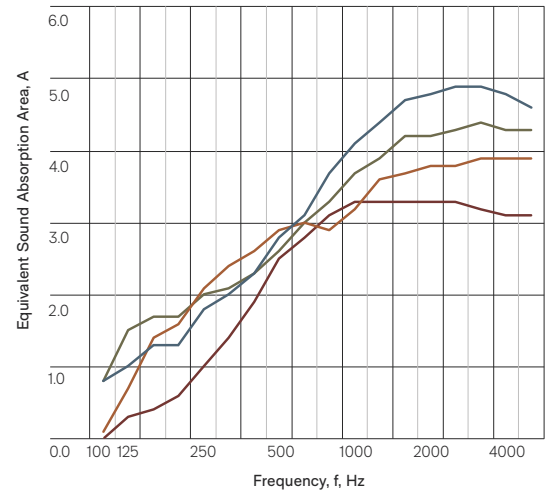
Horizon Oval is specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
● Horizon Oval (Fixed on clips)	0.3	1.0	2.4	3.3	3.3	3.2	2.5
● Horizon Oval (1" suspended 8")	0.8	2.1	2.9	3.3	3.8	3.9	3.0
● Horizon Oval (1" suspended 16")	1.4	2.0	2.7	3.7	4.3	4.4	3.1
● Horizon Oval (1" suspended 32")	1.1	1.7	2.8	4.1	4.8	4.8	3.4

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

## Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Oval direct fixed on clips - test no: T1805-1  
 Horizon Oval suspended 8" - test no: T1805-22  
 Horizon Oval suspended 16" - test no: T1805-21  
 Horizon Oval suspended 32" - test no: T1805-11



## Product specifications

Product name	Horizon™ Rectangle
Composition	100% polyester fiber
Panel dimensions	3.93' x 7.87'
Tolerance	(+/- 0.2") x (+/- 0.2")
Thickness	1"
Tolerance	(+/- 6%)
Weight	12 oz/ft <sup>2</sup>

## Installation

Install as per Autex recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.



## Acoustic performance

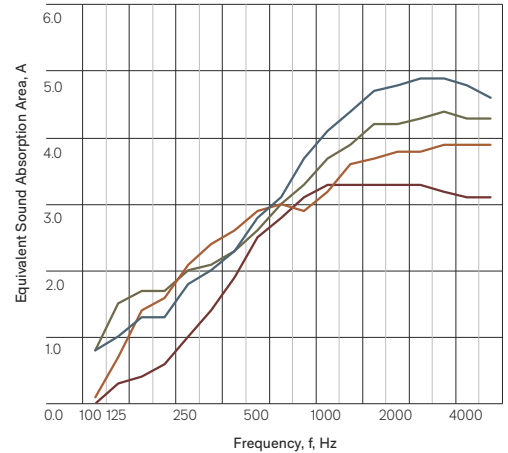
Horizon Rectangle is specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
<b>Horizon Rectangle</b> (Fixed on clips)	0.3	1.0	2.4	3.3	3.3	3.2	2.5
<b>Horizon Rectangle</b> (1" suspended 8")	0.8	2.1	2.9	3.3	3.8	3.9	3.0
<b>Horizon Rectangle</b> (1" suspended 16")	1.4	2.0	2.7	3.7	4.3	4.4	3.1
<b>Horizon Rectangle</b> (1" suspended 32")	1.1	1.7	2.8	4.1	4.8	4.8	3.4

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

### Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Rectangle direct fixed on clips - test no: T1805-1  
 Horizon Rectangle suspended 8" - test no: T1805-22  
 Horizon Rectangle suspended 16" - test no: T1805-21  
 Horizon Rectangle suspended 32" - test no: T1805-11



## Product specifications

<b>Product name</b>	Horizon™ Square
<b>Composition</b>	100% polyester fiber
<b>Panel dimensions</b>	3.93' x 3.93'
<b>Tolerance</b>	(+/- 0.2") x (+/- 0.2")
<b>Thickness</b>	1"
<b>Tolerance</b>	(+/- 6%)
<b>Weight</b>	12 oz/ft <sup>2</sup>

### Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

## Acoustic performance

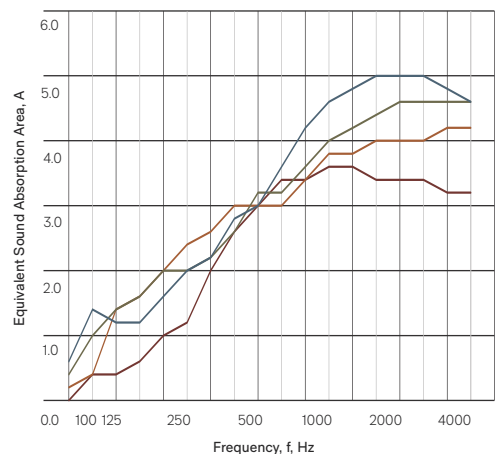
Horizon Square is specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
<b>Horizon Square</b> (Fixed on clips)	0.2	1.5	1.3	1.7	1.7	1.6	1.3
<b>Horizon Square</b> (1" suspended 8")	0.2	1	1.5	1.7	2.1	2.1	1.6
<b>Horizon Square</b> (1" suspended 16")	0.5	1	1.3	1.8	2.2	2.3	1.6
<b>Horizon Square</b> (1" suspended 32")	0.7	0.8	1.4	2.1	2.5	2.4	1.7

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

### Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Square direct fixed on clips - test no: T1805-2  
 Horizon Square suspended 8" - test no: T1805-14  
 Horizon Square suspended 16" - test no: T1805-13  
 Horizon Square suspended 32" - test no: T1805-12





## Product specifications

<b>Product name</b>	Horizon™ Right Angle Triangle
<b>Composition</b>	100% polyester fibre
<b>Panel dimensions</b>	3.93' x 3.93'
<b>Tolerance</b>	(+/- 0.2") x (+/- 0.2")
<b>Thickness</b>	1"
<b>Tolerance</b>	(+/- 6%)
<b>Weight</b>	12 oz/ft <sup>2</sup>

## Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

## Acoustic performance

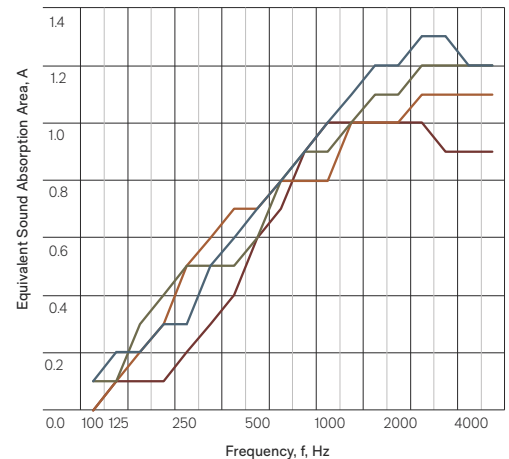
Horizon Right Angle Triangle is specifically designed to reduce and control reverberated noise and echo in building interiors.

	Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
● <b>Horizon Right Angle Triangle</b> (Fixed on clips)		0.1	0.2	0.6	1.0	1.0	0.9	0.7
● <b>Horizon Right Angle Triangle</b> (1" suspended 8")		0.1	0.5	0.7	0.8	1	1.1	0.8
● <b>Horizon Right Angle Triangle</b> (1" suspended 16")		0.1	0.5	0.6	0.9	1.1	1.2	0.8
● <b>Horizon Right Angle Triangle</b> (1" suspended 32")		0.2	0.3	0.7	1.0	1.2	1.2	0.8

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

## Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Right Angle Triangle direct fixed on clips - test no: T1805-3  
 Horizon Right Angle Triangle suspended 8" - test no: T1805-19  
 Horizon Right Angle Triangle suspended 16" - test no: T1805-20  
 Horizon Right Angle Triangle suspended 32" - test no: T1805-10



## Product specifications

<b>Product name</b>	Horizon™ Circle
<b>Composition</b>	100% polyester fiber
<b>Panel dimensions</b>	3.93' diam.
<b>Tolerance</b>	(+/- 0.2)
<b>Thickness</b>	1"
<b>Tolerance</b>	(+/- 6%)
<b>Weight</b>	12 oz/ft <sup>2</sup>

## Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.



## Acoustic performance

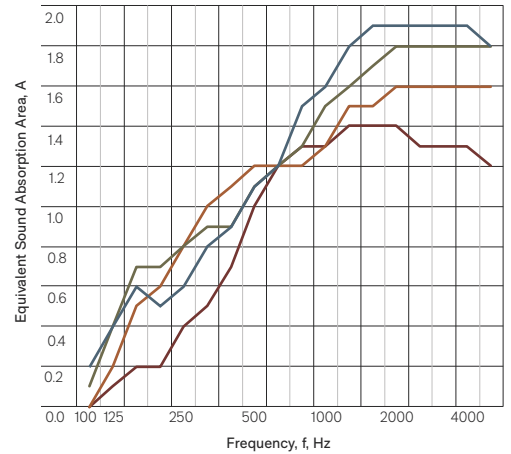
Horizon Circle is specifically designed to reduce and control reverberated noise and echo in building interiors.

	Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
● <b>Horizon Circle</b> (Fixed on clips)		0.1	0.4	1.0	1.3	1.4	1.3	1.0
● <b>Horizon Circle</b> (1" suspended 8")		0.2	0.8	1.2	1.3	1.6	1.6	1.2
● <b>Horizon Circle</b> (1" suspended 16")		0.4	0.8	1.1	1.5	1.8	1.8	1.3
● <b>Horizon Circle</b> (1" suspended 32")		0.4	0.6	1.1	1.6	1.9	1.9	1.3

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

### Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Circle direct fixed on clips - test no: T1805-5  
 Horizon Circle suspended 8" - test no: T1805-15  
 Horizon Circle suspended 16" - test no: T1805-16  
 Horizon Circle suspended 32" - test no: T1805-9



## Product specifications

<b>Product name</b>	Horizon™ Hexagon
<b>Composition</b>	100% polyester fiber
<b>Panel dimensions</b>	3.60' across the widest point
<b>Tolerance</b>	(+/- 0.2")
<b>Thickness</b>	1"
<b>Tolerance</b>	(+/- 6%)
<b>Weight</b>	12 oz/ft <sup>2</sup>

### Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website [www.autexglobal.com](http://www.autexglobal.com)

In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

## Acoustic performance

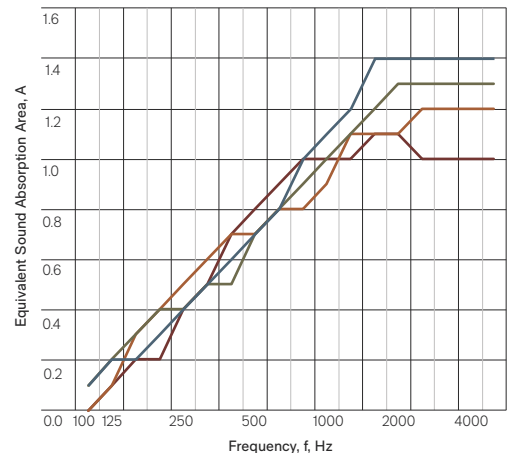
Horizon Circle is specifically designed to reduce and control reverberated noise and echo in building interiors.

	Frequency (Hz)	125	250	500	1000	2000	4000	Per unit
● <b>Horizon Hexagon</b> (Fixed on clips)		0.1	0.4	0.8	1.0	1.1	1.0	0.8
● <b>Horizon Hexagon</b> (1" suspended 8")		0.1	0.5	0.7	0.9	1.1	1.2	0.8
● <b>Horizon Hexagon</b> (1" suspended 16")		0.2	0.4	0.7	1.0	1.3	1.3	0.9
● <b>Horizon Hexagon</b> (1" suspended 32")		0.2	0.4	0.7	1.1	1.4	1.4	0.9

All results are reported in metric sabin - per unit. Equivalent sound absorption area according to ISO 354 measurement of sound absorption in a reverberation room. Average absorption (sabins per unit) calculated at one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

### Sound Absorption Coefficients According to ISO 354. University of Auckland Testing Service

Horizon Hexagon direct fixed on clips - test no: T1805-4  
 Horizon Hexagon suspended 8" - test no: T1805-18  
 Horizon Hexagon suspended 16" - test no: T1805-17  
 Horizon Hexagon suspended 32" - test no: T1805-8





## Product specifications

### Fire ratings

Horizon is made from Cube™ as the base material. Cube has been evaluated using the following test methods

#### ISO 9705: 1993

Classification: Group 1-S  
Smoke production rate: <5.0m<sup>2</sup>/s  
As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Australian Group Number: Group 1 (SMOGRARC):  
less than 100m<sup>2</sup>/s<sup>2</sup>  
Tested using methodology AS ISO 9705:2003 in accordance with AS 5637:2015, as required by BCA Specification C110-4.  
FAR 4055

#### BS EN 13501-1:2018

Wall applications  
Classification: B-s2,d2 (Cube™ 1")  
Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 15102:2007 + A1:2011.  
EUI-21-000135-G-A

Ceiling applications  
Classification: B-s2,d2 (Cube™ 1")

Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 13964:2014.  
EUI-21-000135-G-B

### ASTM E-84-15a

Class A, FS:0 - SD:65  
RJ4479-1

### Water vapor sorption

ASTM C1104 / C1104M-13a  
Test conditions: 49°C, 95%RH  
Water vapor absorbed and adsorped after 4 days:  
0.4% by weight

### Microbial resistance

ASTM G21-15  
Growth rating: 0 (No growth)  
Horizon does not promote the growth of molds and mildew.

### Colour fastness to light

Horizon is suitable for indoor use only. Light fastness is dependent on use and exposure. Horizon has been evaluated to the following standard:  
ISO 105-B02:2014  
Rating: 6 (Highest = 7)

### Mechanical testing

To support the load and seismic calculations of your project's design, we have undertaken extensive destructive testing of Autex Acoustics ceiling system components. For detailed mechanical testing information please contact your account manager.

### Color fastness to rubbing

ISO 105-X12:2016  
Dry rating: 4-5 (Highest = 5)  
Wet rating: 4-5 (Highest = 5)

### Pattern repeat

Non-woven. No pattern repeat, but product has directional grain. Product may vary from samples and batch to batch due to fiber blending and lay-up, which is an inherent feature of this product.

### Fabric care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed.

Blot with a clean dry cloth after each application of solution. Custom printed Horizon requires the services of a specialist cleaning company. Refer to the Horizon Care and Maintenance Guide for more information.

### Service

For further information about Horizon, please contact your account manager or visit our website.

## Light reflectance values by color

Horizon is suitable for indoor use only. LRVs were measured in accordance with BS 8493:2008+A1:2010

Acros	40	Opera	49
Beehive	33	Parthenon	33
Canyon	19	Pavilion	80
Caspian	6	Petronas	2
Cavalier	12	Pinnacle	3
Empire	5	Sargazo	4
Falling Water	34	Savoye	46
Flatiron	24	Senado	44
Gherkin	8	Terrace	24
Highland	19	Tree House	3
Muralla	9		

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