

INTERIOR ACOUSTICS FRONTIER



 **FRONTIER™**
ACOUSTIC RAFT
DESIGN: BEAM 100
COLOUR: SAVOYE
AND FLATIRON



FRONTIER™

ACOUSTIC CEILING AND WALL SYSTEM

BE MORE ATTUNED TO YOUR SPACE

Frontier™ offers targeted sound absorption, endless configurations, and stress-free installation without compromising acoustic performance.

Frontier is an innovative acoustic system designed for targeted sound absorption for today's ever-changing open-plan workspaces, retail, education and hospitality applications. Formed by just three elements including Autex Mounting Clips, Autex Frontier Extrusions, and Acoustic Fins or Rafts, Frontier allows designers to mix and match colours and styles, create endless configurations, and enjoy quick and stress-free installations.

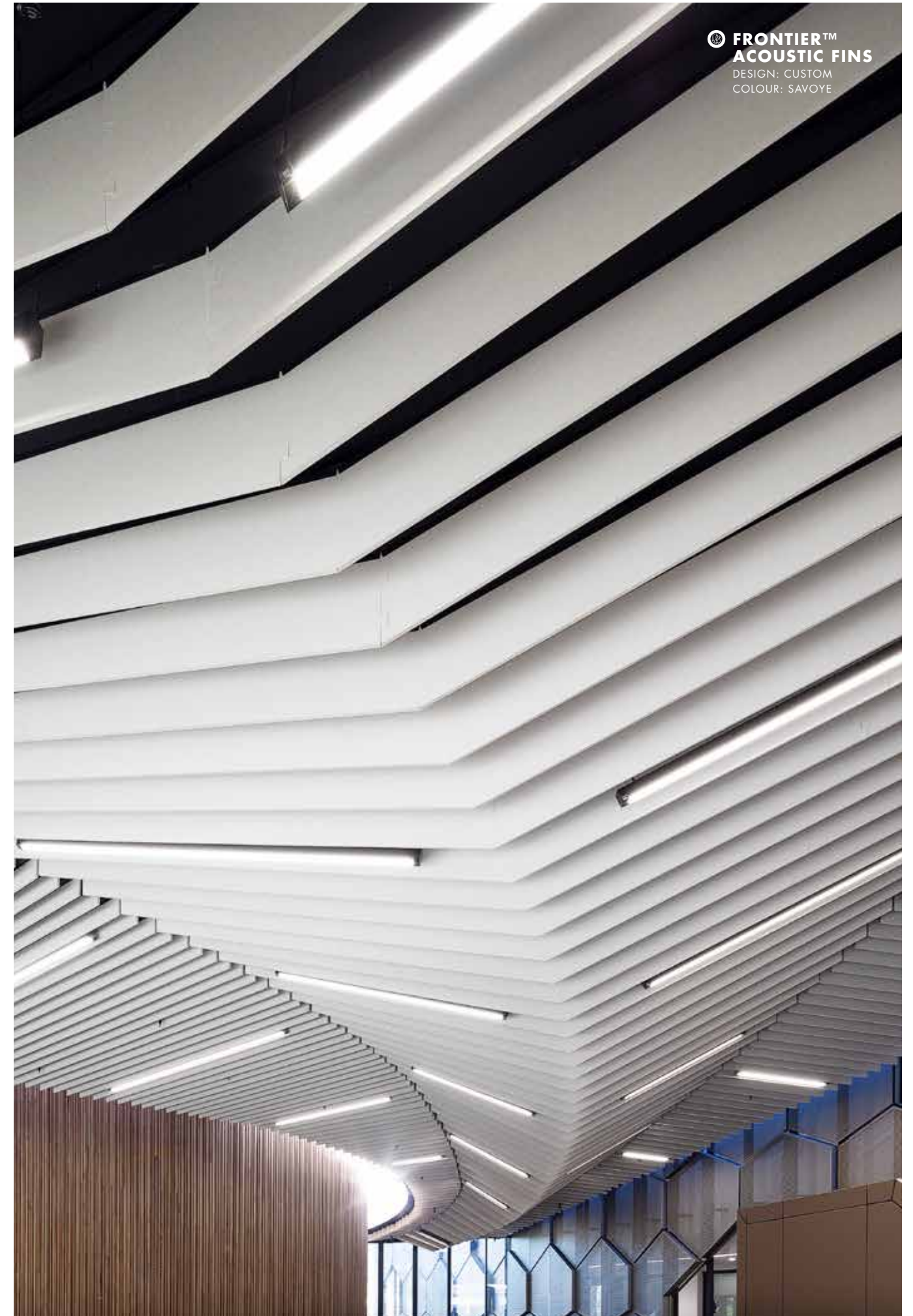
Whether specifying Fin or Raft styles, Frontier offers incredible acoustic performance that can be 'tuned' for the space. Multiuse aluminium channels and clips allow for adjustment on-site, further enhancing the surrounding environment.

FRONTIER™

FEATURES AND BENEFITS

- Choose from 17 colours and nine styles, including Fins or Raft for a bold, dimensional statement.
- Create a more comfortable and personalised experience by tuning the acoustic effect. Simply move the Fins or Rafts closer together or further apart.
- Mount Fins or Rafts flush to the ceiling to 'blend in', fix them to rails or suspend them using extension rods.
- Frontier can be configured to fit the space perfectly.

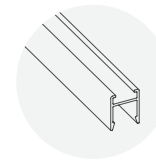
Fins and Rafts are made with our high-performing, highly-compressed polyester material, which uses advanced fibre locking technology, instead of adhesives or other materials which can be harmful to the environment.



FRONTIER™

THE SYSTEM

Increase productivity on-site, saving installation time and material costs.



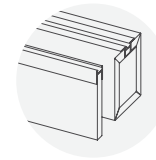
AUTEX FRONTIER EXTRUSIONS

Multiuse aluminium channels along with a system of components, act as a support for Acoustic Fins or Rafts and allow easy installation and adjustments on site.



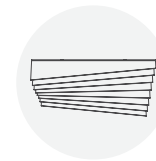
AUTEX MOUNTING CLIPS

The exclusive Frontier connector clip 'clicks' in place to enable Fins or Rafts to be attached directly to the ceiling channel, leaving no exposed fasteners or adhesives.



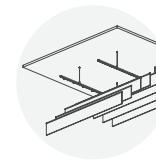
CHOOSE ACOUSTIC FIN OR RAFT STYLES

Enjoy the freedom to create new and interesting ceiling and wall features with Fins or Rafts. Choose Fins for simple and stylish arrangements, or Rafts to add dimensional shape and volume.



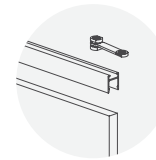
ARRANGEMENT VERSATILITY

Arrange and space out Fins or Rafts in countless configurations. Install in standard or custom sequences, or bring your vision to life working side-by-side with Autex in-house acoustic design experts and account managers.



EASY ASSEMBLY

Frontier goes together quickly and efficiently, saving time on site. Dismantle or remove the system from its setting and reassemble or reposition just as easily and quickly.



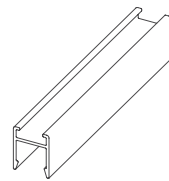
EVEN EASIER TO DISASSEMBLE

Frontier uses no adhesives. Each component can be removed quickly at the end of life, minimising negative impacts on the environment at the time of disposal.

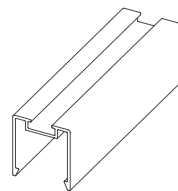
FRONTIER™

SYSTEM COMPONENTS

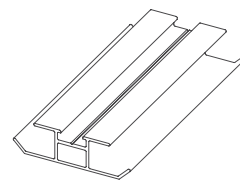
PACK COMPONENTS



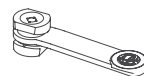
RAFNEX
Frontier 12mm Extrusion



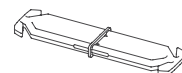
RAFNEX24
Frontier 24mm Extrusion



RAFNEXRT
Frontier Raft Extrusion

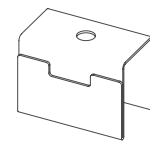


RAFTCC
Autex Mounting Clip

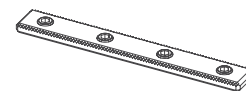


RAFCCT
Autex Frontier Channel Connector

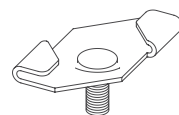
ACCESSORIES



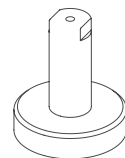
RAFWCP
Autex Removable VV-Clip



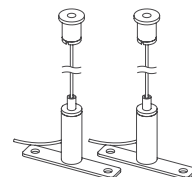
RAFHDCC
Autex Heavy Duty Frontier Channel
Connector with 4x M5 Grub Screws



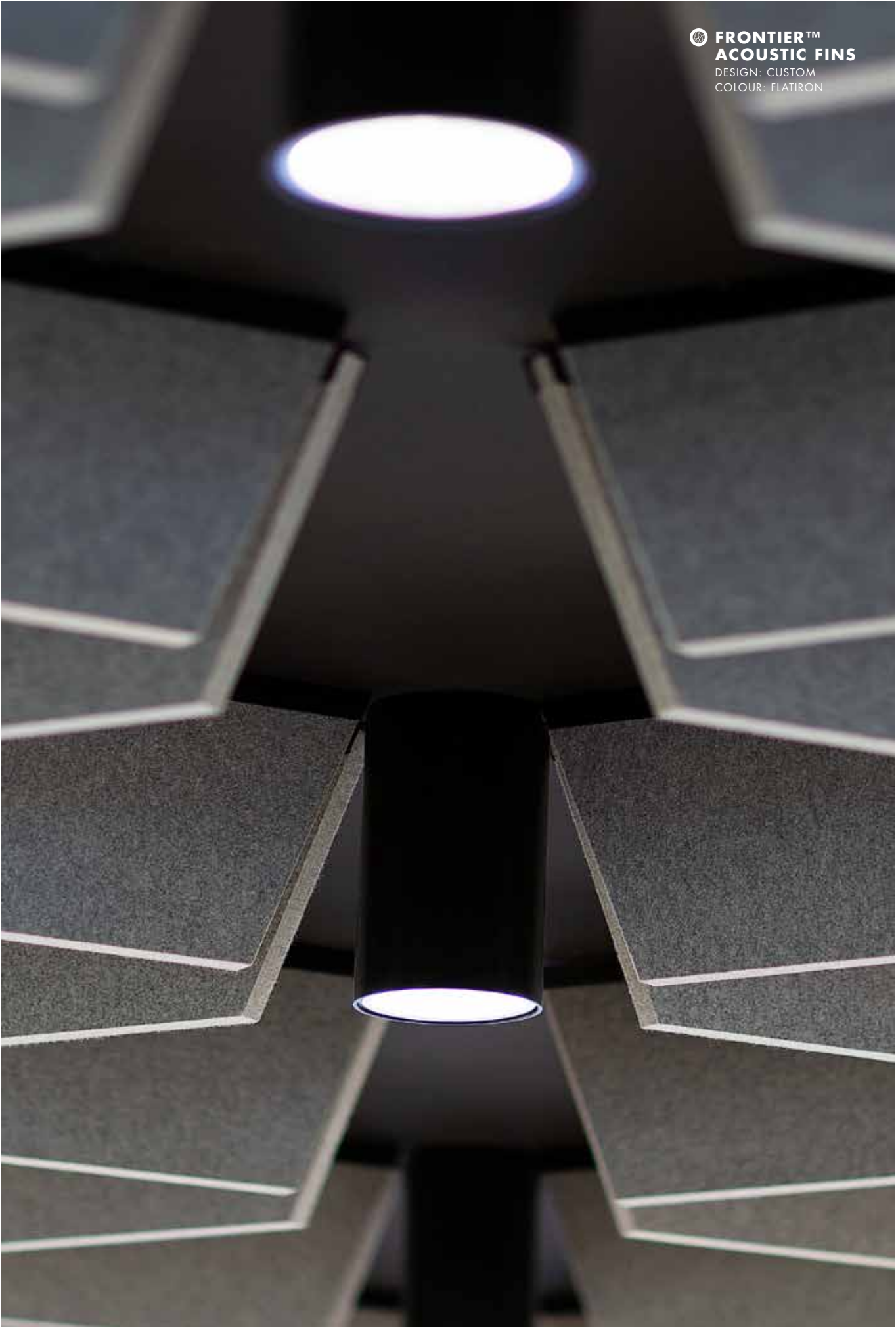
RAFM6GC
Velda Grid Connector with M6 Thread



RAFM6MP
Velda Magnet Pot with M6 Thread
and Cable Adaptor



RAHVAS
Autex Adjustable Suspension Set - Channel



FRONTIER™
ACOUSTIC FINS
DESIGN: CUSTOM
COLOUR: FLATIRON

 **FRONTIER™**
ACOUSTIC RAFT
DESIGN: BEAM 100
COLOUR: PETRONAS

FRONTIER™

ACOUSTIC RAFT

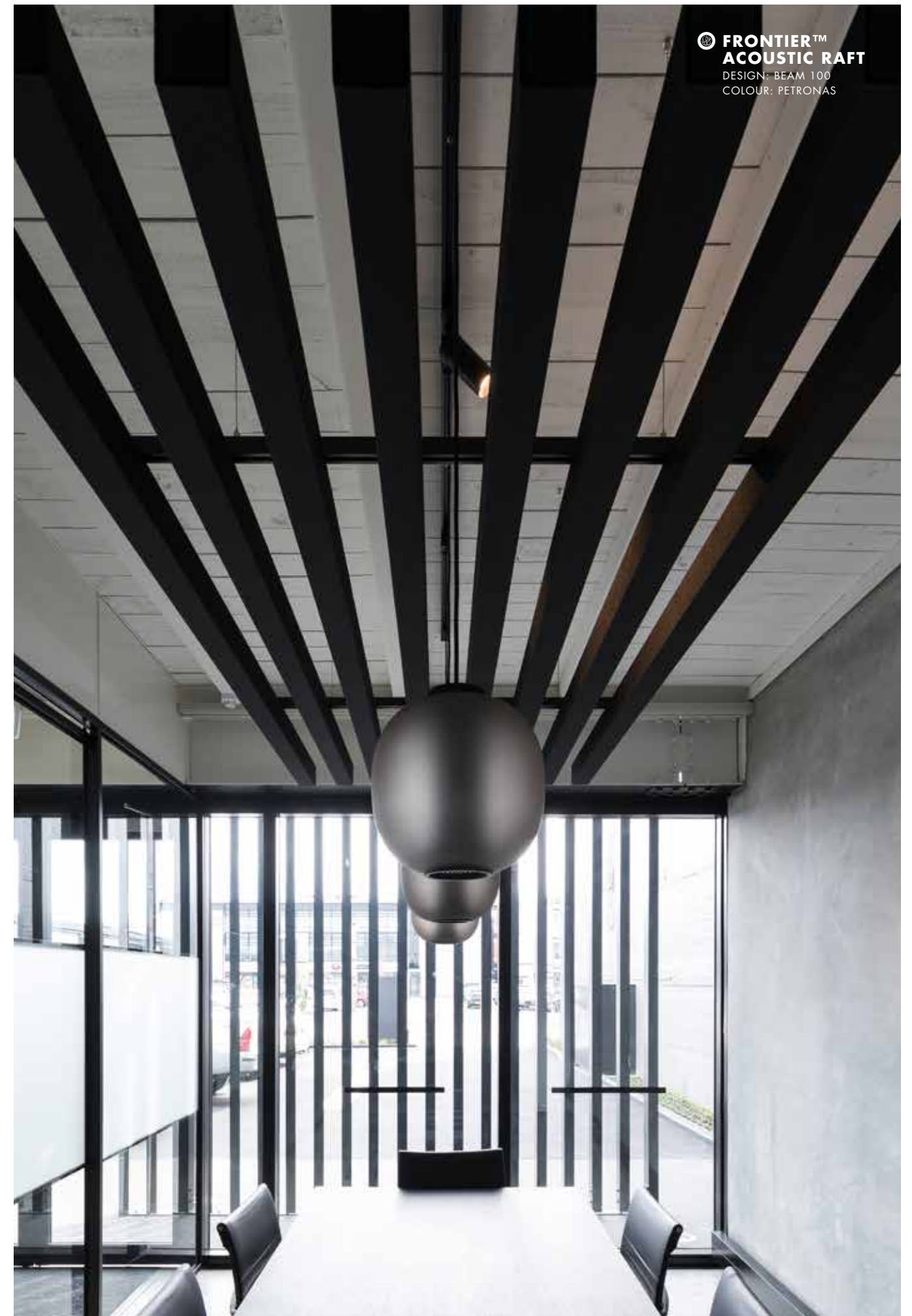
Raft brings an innovative, bold new dimension to our Frontier range. Available in four unique designs, Raft is scored, folded and 'zipped' together using a locking channel. Now you can arrange and space Raft in countless configurations, without loss of acoustic performance.

Enjoy the freedom to create bold new designs using standard packs, or customise the system to match the scale of the space.

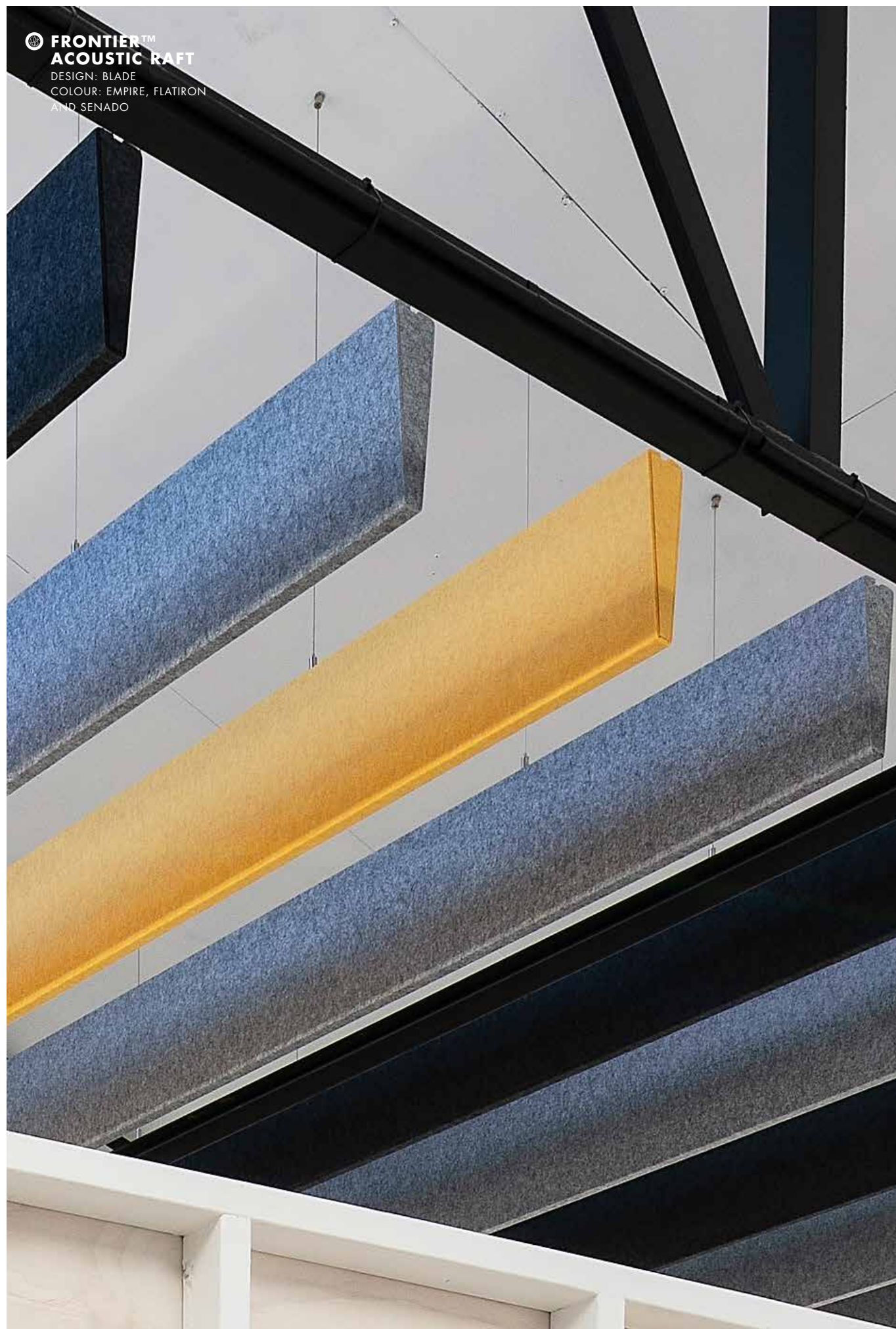
FRONTIER™ ACOUSTIC RAFT

FEATURES AND BENEFITS

- Delivers a solid appearance, yet, due to its scored and layered construction, each style is hollow and lightweight.
- Made from highly-absorbent, compressed material, Rafts hold their shape. They won't bend or warp after installation.
- Create long and linear ceiling features with quick, secure joins. Remove the weight and tasks related to finishing elements that would occur with solid wood or steel beams.
- Adjust on-site, allowing for targeted sound absorption and personalisation of the space.
- Disassemble quickly and remove at the end of life.



**FRONTIER™
ACOUSTIC RAFT**
DESIGN: BEAM 100
COLOUR: PETRONAS



FRONTIER™ ACOUSTIC RAFT

APPLICATIONS

- Suitable for a variety of spaces, including offices, education, retail, hospitality and commercial interior applications.
- Can be installed either fixed or suspended from ceilings or mounted to walls.

SPECIFICATION

Acoustic panels shall be Frontier Acoustic Raft () as compiled by Autex www.autexindustries.com

Acoustic absorber Frontier Acoustic Raft
(Blade: 2400 x 247 x 70mm),
(Beam 100: 2400 x 87 x 70mm),
(Beam 250: 2400 x 227 x 70mm),
(Trapezoid: 2400x 137 x 200mm),
Colour (),

Fire Rating ISO 9705: 1993: Group 1-S,

AS ISO 9705 – 2003: Group 1,
EN13501-1: 2007A1: 2009: Bs2,d2

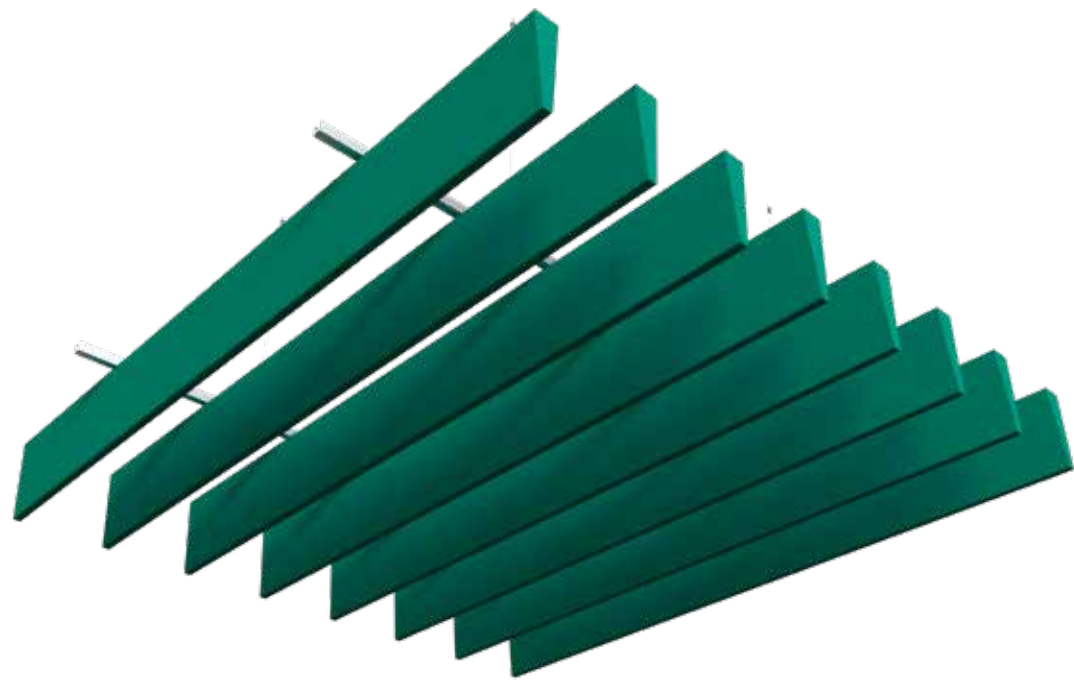
ASTM E-84-15a: Class A, FS:0 - SD:45.

Seismic bracing as per local building code requirements.

A variety of fixing or suspension options are available. Install as per Frontier Install Instructions.

FRONTIER™

ACOUSTIC RAFT DESIGNS

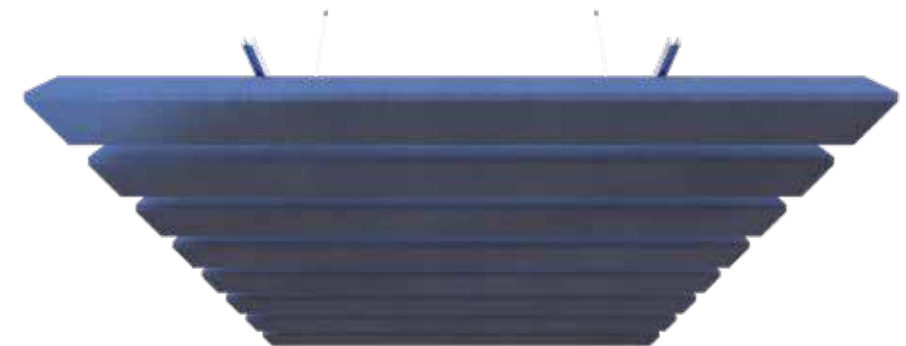


DESIGN BLADE **COLOUR** LOTUS - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.

FRONTIER™

ACOUSTIC RAFT DESIGNS

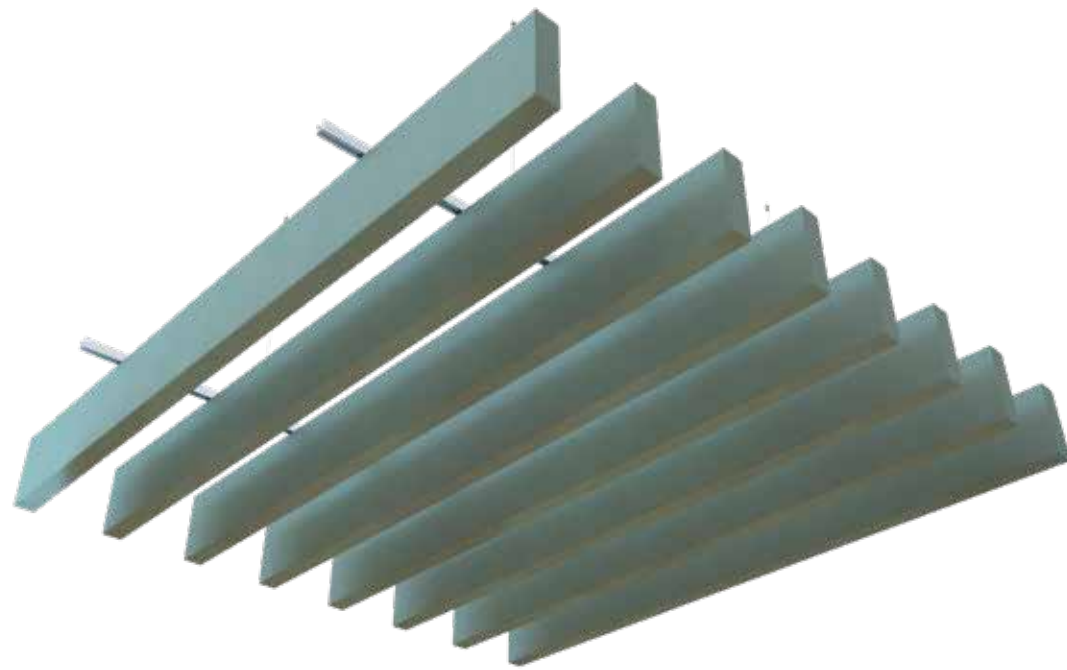


DESIGN TRAPEZOID **COLOUR** GALAXY - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.

FRONTIER™

ACOUSTIC RAFT DESIGNS

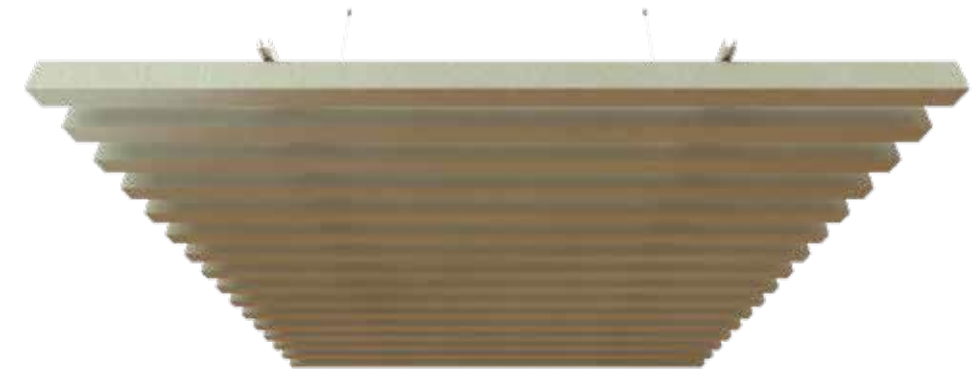


DESIGN BEAM 250 **COLOUR** FALLING WATER - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.

FRONTIER™

ACOUSTIC RAFT DESIGNS



DESIGN BEAM 100 **COLOUR** OPERA - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.



**FRONTIER™
ACOUSTIC RAFT**
DESIGN: CUSTOM
COLOUR: FLATIRON
AND SAVOYE

ABSORPTION COEFFICIENT ACCORDING TO ISO 354

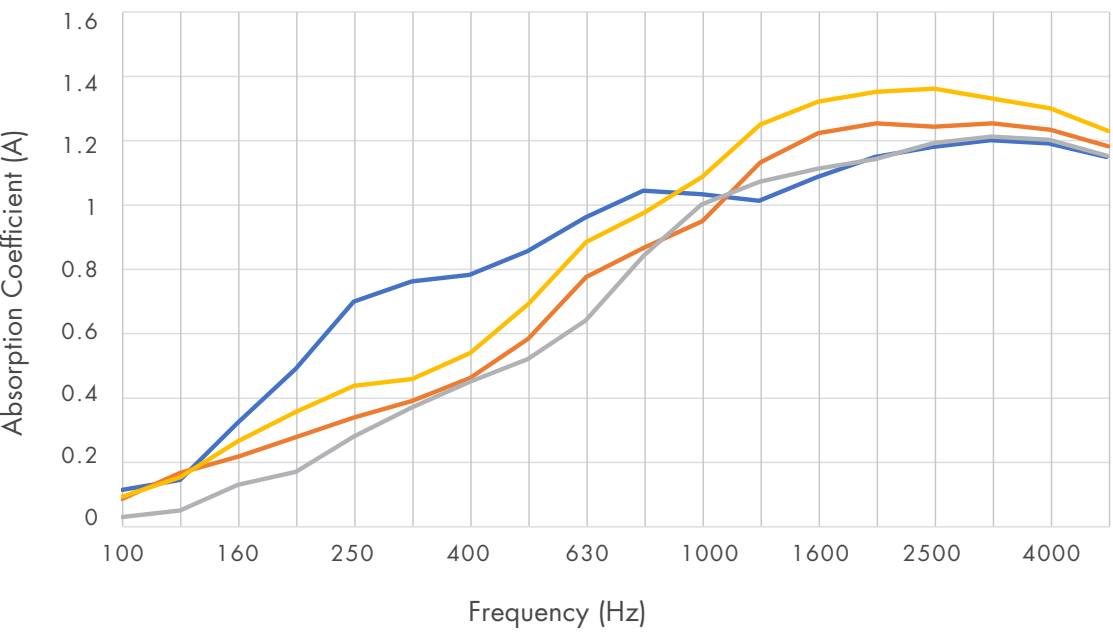


Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

DESCRIPTION	University of Auckland Test report number	FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	NRC
Frontier™ Raft 12mm Trapezoid, 200mm off ceiling @ 300mm centres	T1905-11	0.25	0.65	0.85	1.05	1.15	1.15	0.95
Frontier™ Raft 12mm Blade, 200mm off ceiling @ 300mm centres	T1905-10	0.20	0.35	0.60	1.00	1.25	1.25	0.80
Frontier™ Raft 12mm Beam 100, 200mm off ceiling @ 150mm centres	T1945-4	0.05	0.25	0.55	0.95	1.15	1.20	0.75
Frontier™ Raft 12mm Beam 250, 200mm off ceiling @ 300mm centres	T1945-5	0.20	0.45	0.70	1.10	1.35	1.30	0.90

PRODUCT SPECIFICATIONS

Product Name	Frontier™ Acoustic Raft
Composition	100% Polyester Fibre (PET) Channel: Aluminium
Fin Length	2400mm
Tolerance	(+0.5mm)
Thickness	12mm
Tolerance	(+/-6%)
Weight	2300gsm

INSTALLATION

Install as per Autex recommendations.
Install instructions are included in each pack
or available on the website.

ACOUSTIC PERFORMANCE

Frontier Acoustic Raft is specifically designed to reduce
and control reverberated noise (echo) in
building interiors.

LIGHT REFLECTANCE VALUES BY COLOUR

Pavilion	78	Zenith	22
Opera	49	Lotus	16
Savoye	47	Galaxy	16
Senado	45	Iron Bank	13
Rosada	45	Pinnacle	8
Acros	42	Empire	6
Falling Water	36	Tree House	3
Bosco	29	Petronas	2
Flatiron	25		

MEASURED IN ACCORDANCE WITH BS 8493:2008+A1:2010

FIRE RATING

Frontier™ is a value-added product made from Autex Cube™ as the base material. Cube™ has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
 Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
 (SMOGRArc): <100m²/s²
 Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4 FI 4974 dated 16th September, 2012 and FAR 4055-3 dated 31st July, 2019

EN13501-1:2007+A1:2009

B - s2, d2
 WF336911 dated 25th February 2014

ASTM E-84-15a

Class A, FS:0 - SD:45
 RJ4479-2 dated 25th January, 2016

VOC EMISSIONS

Autex polyester has been tested for chemical emmissions (Report: CV170908) and is classified as low VOC. VOC concentration: 0.009 mg/m3 (7 days)

WATER VAPOUR SORPTION

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

MICROBIAL RESISTANCE

ASTM G21-15
 Growth Rating: 0 (No growth)
 Frontier Acoustic Raft does not promote the growth of moulds and mildew.

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 Cube™ requires the services of a specialist cleaning company. Refer to the Frontier Acoustic Raft Cleaning and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Autex Frontier Raft contains a minimum of 45% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

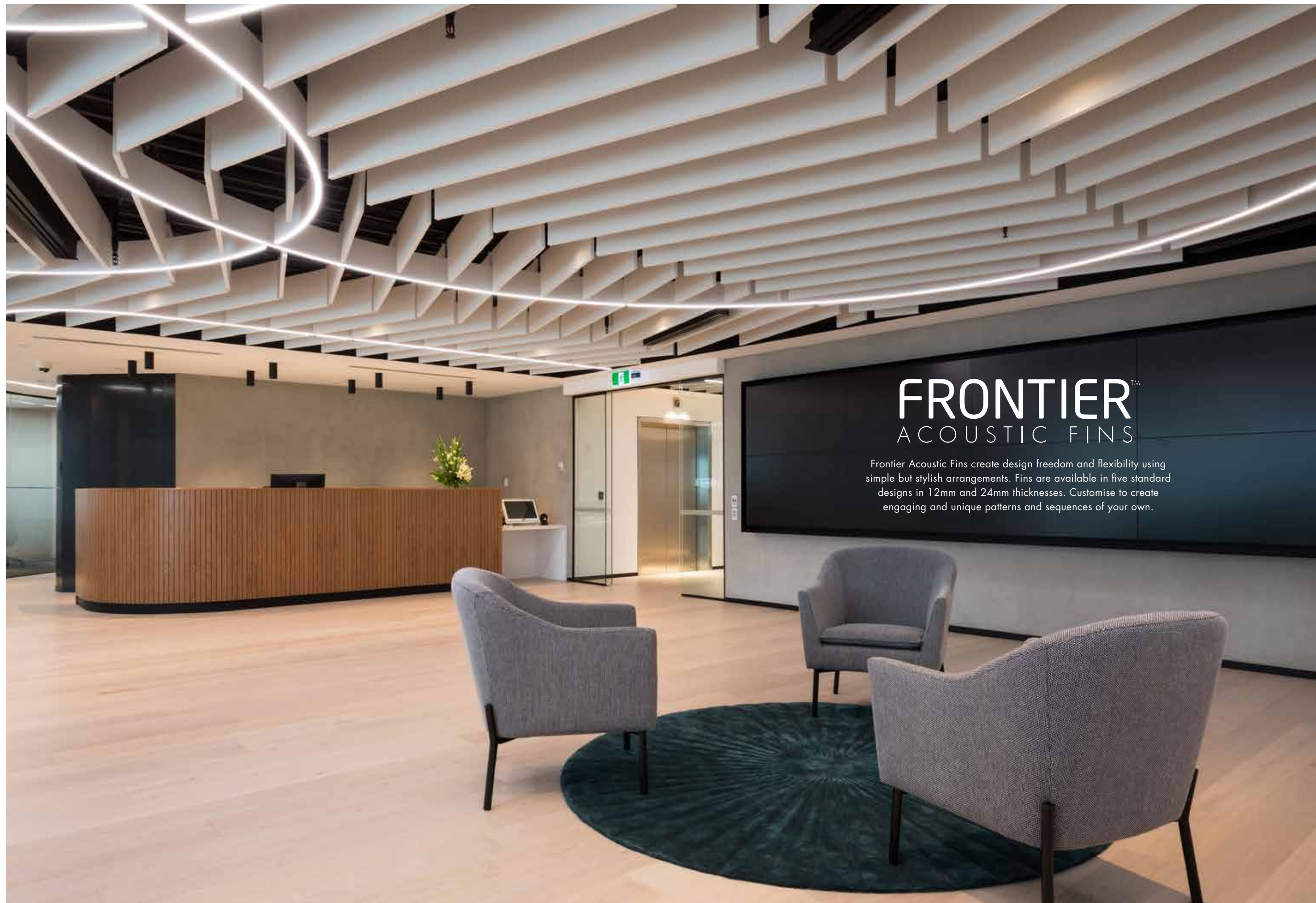
Autex Frontier Acoustic Raft is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

For further information about Frontier Acoustic Raft, Autex Cube™ or any other Autex product, please contact your Autex account manager or visit our website.

FRONTIER™
 ACOUSTIC RAFT
 DESIGN: BEAM 100
 COLOUR: FLATIRON,
 EMPIRE AND SENADO





FRONTIERTM

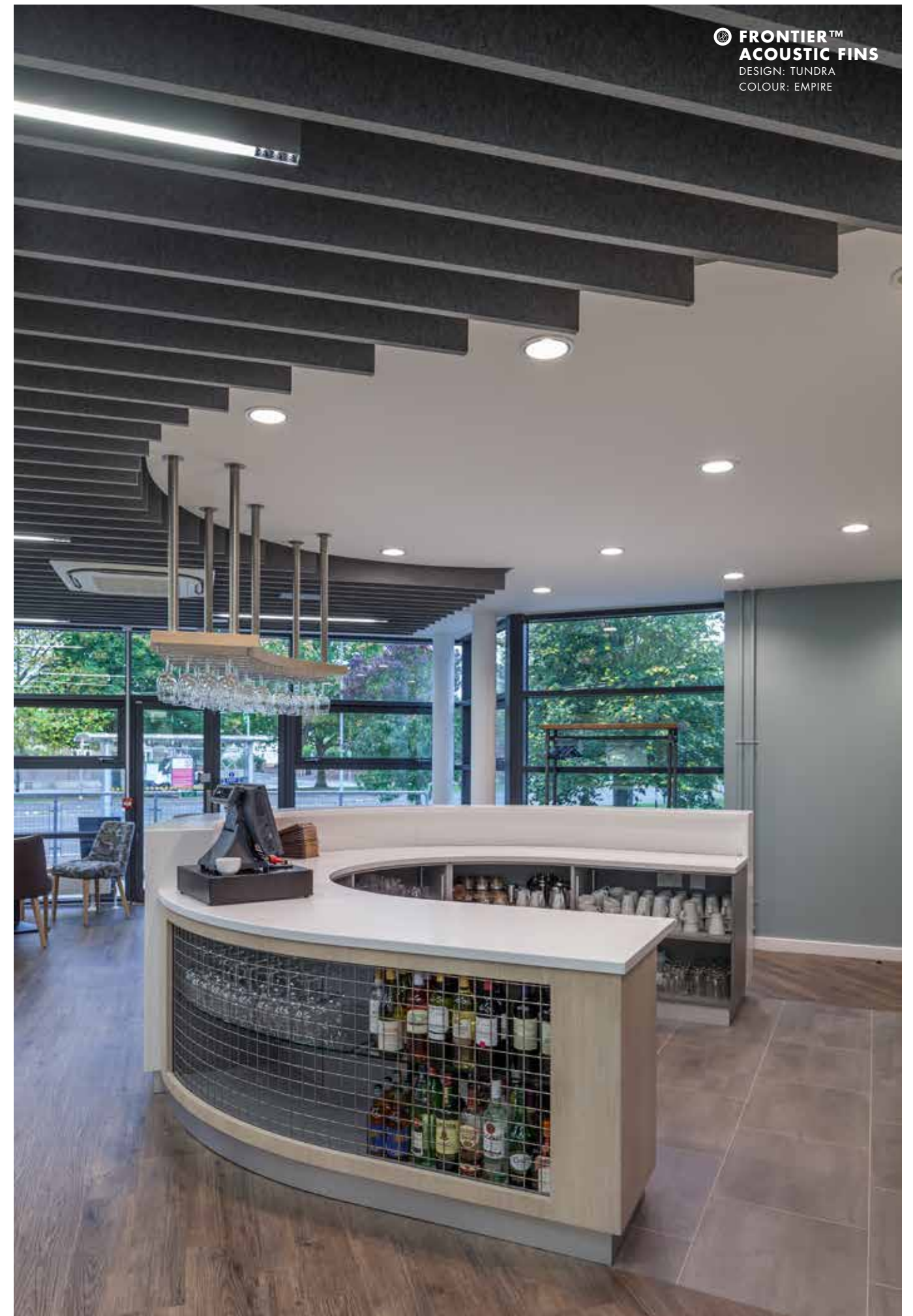
ACOUSTIC FINS

Frontier Acoustic Fins create design freedom and flexibility using simple but stylish arrangements. Fins are available in five standard designs in 12mm and 24mm thicknesses. Customise to create engaging and unique patterns and sequences of your own.

FRONTIER™ ACOUSTIC FINS

FEATURES AND BENEFITS

- Delivers excellent acoustic performance
- Suitable for wall and ceiling applications
- Supplied in kits including acoustic fins and fixing hardware
- Can be subtle or a feature design for small or large spaces
- Low VOC – beneficial for IEQ
- Not made from fibreglass or mineral fibre and does not contain formaldehyde, crystalline silica or other carcinogens, common to traditional fibrous absorbers
- Cleanable and easily demountable
- Includes high recycled content and designed for disassembly
- Highly durable so you're assured of long-term stability and performance





FRONTIER™ ACOUSTIC FINS

APPLICATIONS

- Suitable for offices, education, retail, hospitality and commercial interiors
- Fix or suspend acoustic ceiling and wall system
- Creates breakout zones in large open plan areas
- Hides ceiling services

SPECIFICATION

Acoustic absorption system shall be Frontier (┐)
as compiled by Autex www.autexindustries.com

Acoustic absorber Frontier™ Acoustic Fins (2400/custom)
mm length x (300mm nominal / Axis 150mm) depth x
(12/24)mm gauge, spaced at (┐)mm centres. Colour
(┐), sound absorption: 100/200mm centres Class
B, 300mm centres Class C, Fire Rating ISO 9705:
1993: Group 1-S, AS ISO 9705 – 2003: Group 1,
EN13501-1:2007+A1:2009: B - s2, d2, ASTM E-84-
15a -12mm: Class A, FS:0 - SD:45.

Supplied with Frontier Connector Clips, Frontier Channel,
Frontier Fins. Fix with 6g countersink fastener appropriate
for the substrate. Install as per Frontier Install Instructions.

FRONTIER™

ACOUSTIC FIN DESIGNS



DESIGN TUNDRA **COLOUR** GALAXY - SEE PAGE 39 FOR FULL COLOUR RANGE



DESIGN DUNE **COLOUR** FALLING WATER - SEE PAGE 39 FOR FULL COLOUR RANGE

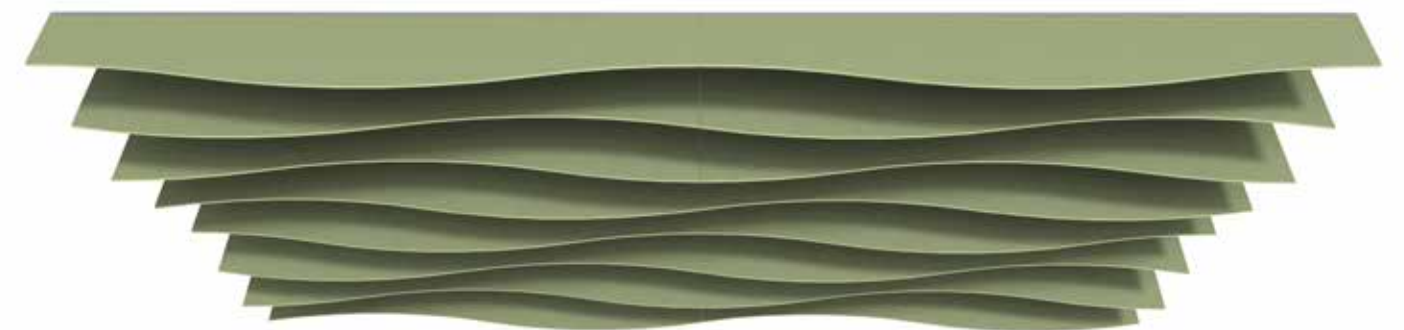
*Images as shown are with 2 packs.

FRONTIER™

ACOUSTIC FIN DESIGNS



DESIGN SIERRA **COLOUR** LOTUS - SEE PAGE 39 FOR FULL COLOUR RANGE



DESIGN TALUS **COLOUR** ACROS - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.

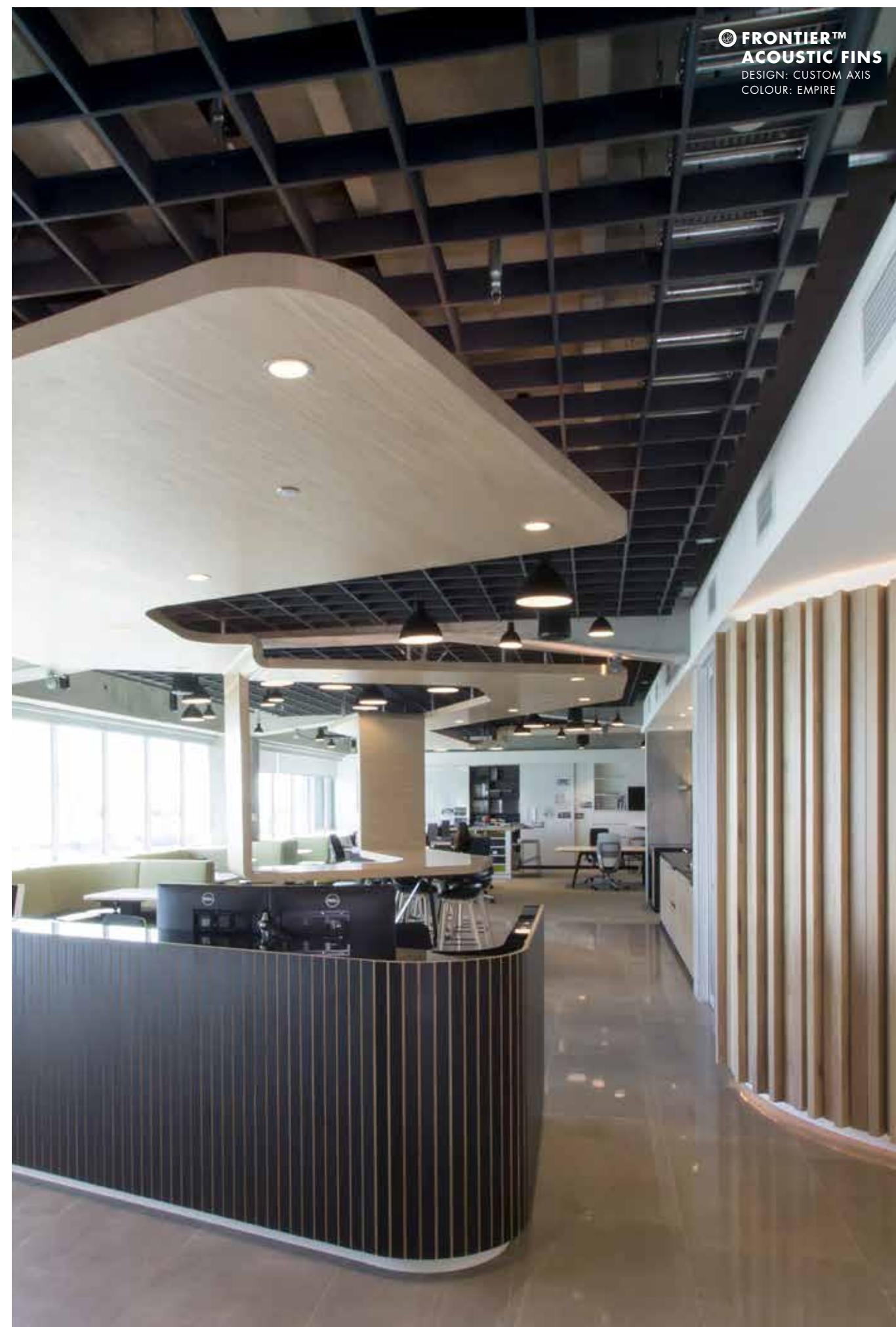
FRONTIER™

ACOUSTIC FIN DESIGNS



DESIGN AXIS (12MM ONLY) **COLOUR** SAVOYE - SEE PAGE 39 FOR FULL COLOUR RANGE

*Images as shown are with 2 packs.





**FRONTIER™
ACOUSTIC FINS**
DESIGN: TALUS
COLOUR: SENADO, ACROS
AND FALLING WATER

ABSORPTION COEFFICIENT ACCORDING TO ISO 354

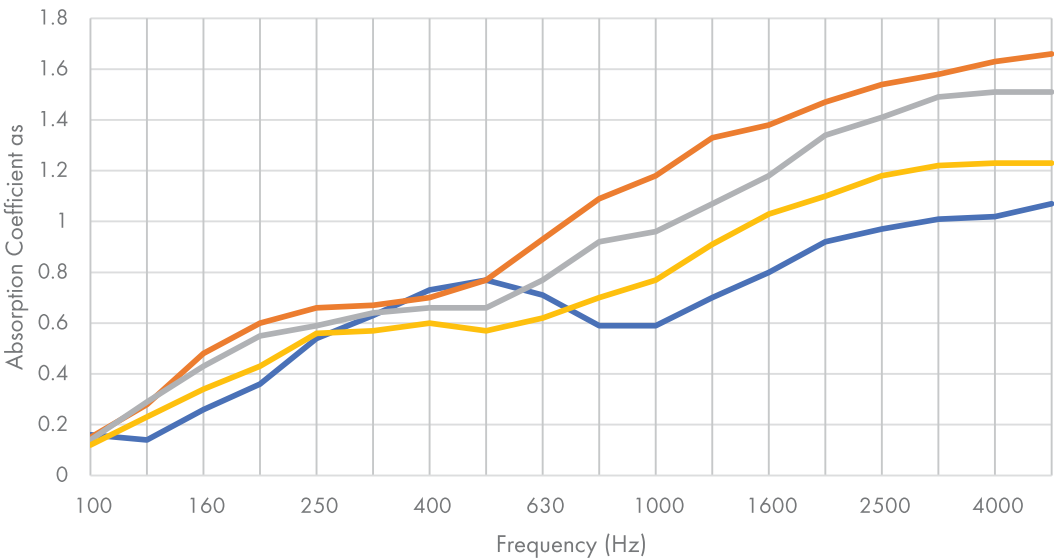


Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

DESCRIPTION	University of Auckland Test report number	FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	NRC
Frontier™ Axis 12mm 150mm deep 300mm centres	T1525-11	0.20	0.50	0.75	0.65	0.90	1.05	0.70
Frontier™ 12mm 300mm deep 100mm centres	T1525-18	0.30	0.65	0.80	1.20	1.45	1.60	1.00
Frontier™ 12mm 300mm deep 200mm centres	T1525-16	0.30	0.60	0.70	1.00	1.30	1.50	0.90
Frontier™ 12mm 300mm deep 300mm centres	T1525-17	0.25	0.50	0.60	0.80	1.10	1.25	0.75

PRODUCT SPECIFICATIONS

Product Name	Frontier™ Acoustic Fins
Composition	Fin: 100% Polyester Fibre (PET) Aluminium Channel
Dimensions	Fin Length: 2400mm
Tolerance	(+0.5mm)
Thickness	12mm
Tolerance	(+/-6%)
Weight	2300 gsm

ACOUSTIC PERFORMANCE

Frontier is specifically designed to reduce and control reverberated noise (echo) in building interiors.

INSTALLATION

Install as per Autex recommendations.
Install instructions are included in each pack or available on the website.



FRONTIER™
ACOUSTIC FINS
DESIGN: TUNDRA
COLOUR: SAVOYE

ABSORPTION COEFFICIENT ACCORDING TO ISO 354

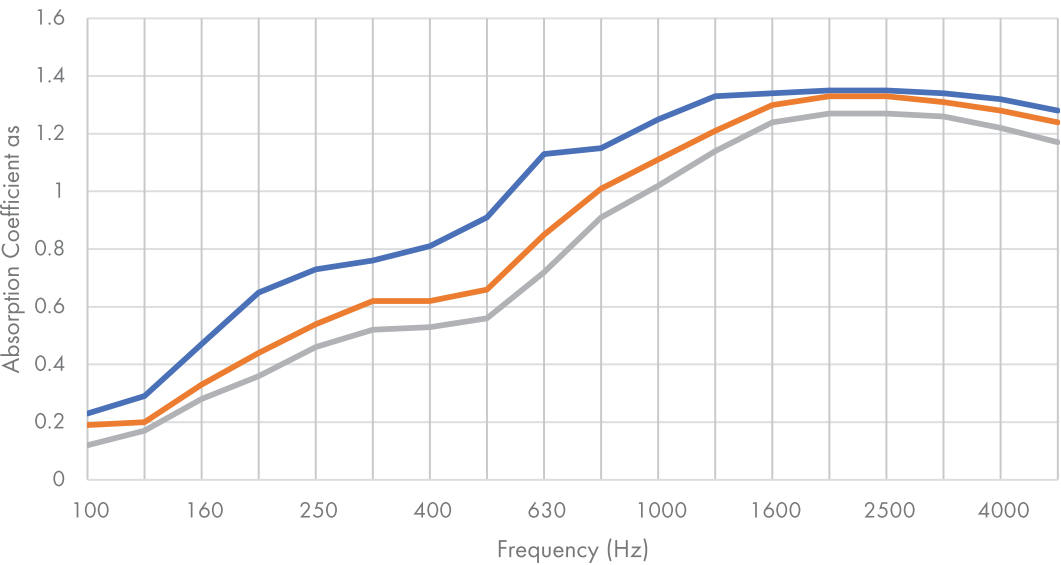


Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz, and rounded to the nearest 0.05.

DESCRIPTION	University of Auckland Test report number	FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	NRC
Frontier™ 24mm 300mm deep 100mm centres	T1812-4	0.35	0.70	0.95	1.25	1.35	1.30	1.05
Frontier™ 24mm 300mm deep 200mm centres	T1812-5	0.25	0.55	0.70	1.10	1.30	1.30	0.90
Frontier™ 24mm 300mm deep 300mm centres	T1812-6	0.20	0.45	0.60	1.00	1.25	1.20	0.85

PRODUCT SPECIFICATIONS

Product Name	Frontier™ Acoustic Fins
Composition	Fin: 100% Polyester Fibre (PET) Aluminium Channel
Fin Length	2400mm
Tolerance	(+/-0.5mm)
Thickness	24mm
Tolerance	(+/-6%)
Weight	4600 gsm

ACOUSTIC PERFORMANCE

Frontier is specifically designed to reduce and control reverberated noise (echo) in building interiors.

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

LIGHT REFLECTANCE VALUES BY COLOUR

Pavilion	78
Opera	49
Savoye	47
Senado	45
Rosada	45
Acros	42
Falling Water	36
Bosco	29
Flatiron	25

MEASURED IN ACCORDANCE WITH BS 8493:2008+A1:2010

FIRE RATING

Frontier™ is a value-added product made from Autex Cube™ as the base material. Cube™ has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
 Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
 (SMOGRArc): <100m²/s²
 Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4 FI 4974 dated 16th September, 2012 and FAR 4055:3 dated 31st July, 2019

EN13501-1:2007+A1:2009

B - s2, d2 (Cube™ 12mm)
 VF336911 dated 25th February 2014

ASTM E-84-15a

Class A, FS:0 - SD:45 (Cube™ 1/2")
 RJ4479-2 dated 25th January, 2016

Class A, FS:0 - SD:65 (Cube™ 1")
 RJ4479-1 dated 25th January, 2016

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.
 VOC concentration: 0.009 mg/m³ (7 days).

WATER VAPOUR SORPTION

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

MICROBIAL RESISTANCE

ASTM G21-15
 Growth Rating: 0 (No growth)
 Frontier™ does not promote the growth of mould and mildew.

COLOUR FASTNESS TO LIGHT

Frontier™ is suitable for indoor use only.
 Light fastness is depenent on use and exposure.

Zenith	22
Lotus	16
Galaxy	16
Iron Bank	13
Pinnacle	8
Empire	6
Tree House	3
Petronas	2

Frontier has been evaluated to the following standard:
 ISO 105-B02:2014
 Rating: 6 (Highest = 7)

COLOUR 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 fibre 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 Cube require the services of a specialist cleaning company. Refer to the Frontier Cleaning and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Autex Frontier™ contains a minimum of 45% recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Autex Frontier™ is manufactured from 100% polyester fibres and do not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

For further information about Frontier™, Autex Cube™ or any other product, please contact your Autex account manager or visit our website.

FRONTIER™
 COLOUR OPTIONS



MOQ's apply to some colours. To find out more, or to order a sample, please contact your Account Manager or visit our website.

FRONTIER[™] CUSTOMISATION

We know that no two projects are exactly the same, so why should the products or services going into them be? This is why we are proud of our ability to customise any of our products to suit your needs.

Being manufacturers, engineers and creatives, we have the capacity to transform, cut, mould, or build our products to create acoustic solutions truly unique to you and your space.

If you have an idea, let's work together to make it happen. If you want to customise Frontier[™] for your next project, get in touch with your Autex account manager or visit our website www.autexindustries.com/contact-us



HORIZON™ FLOATING ACOUSTIC PANELS



 **HORIZON™**
DESIGN: OVAL
COLOUR: OPERA



HORIZON™

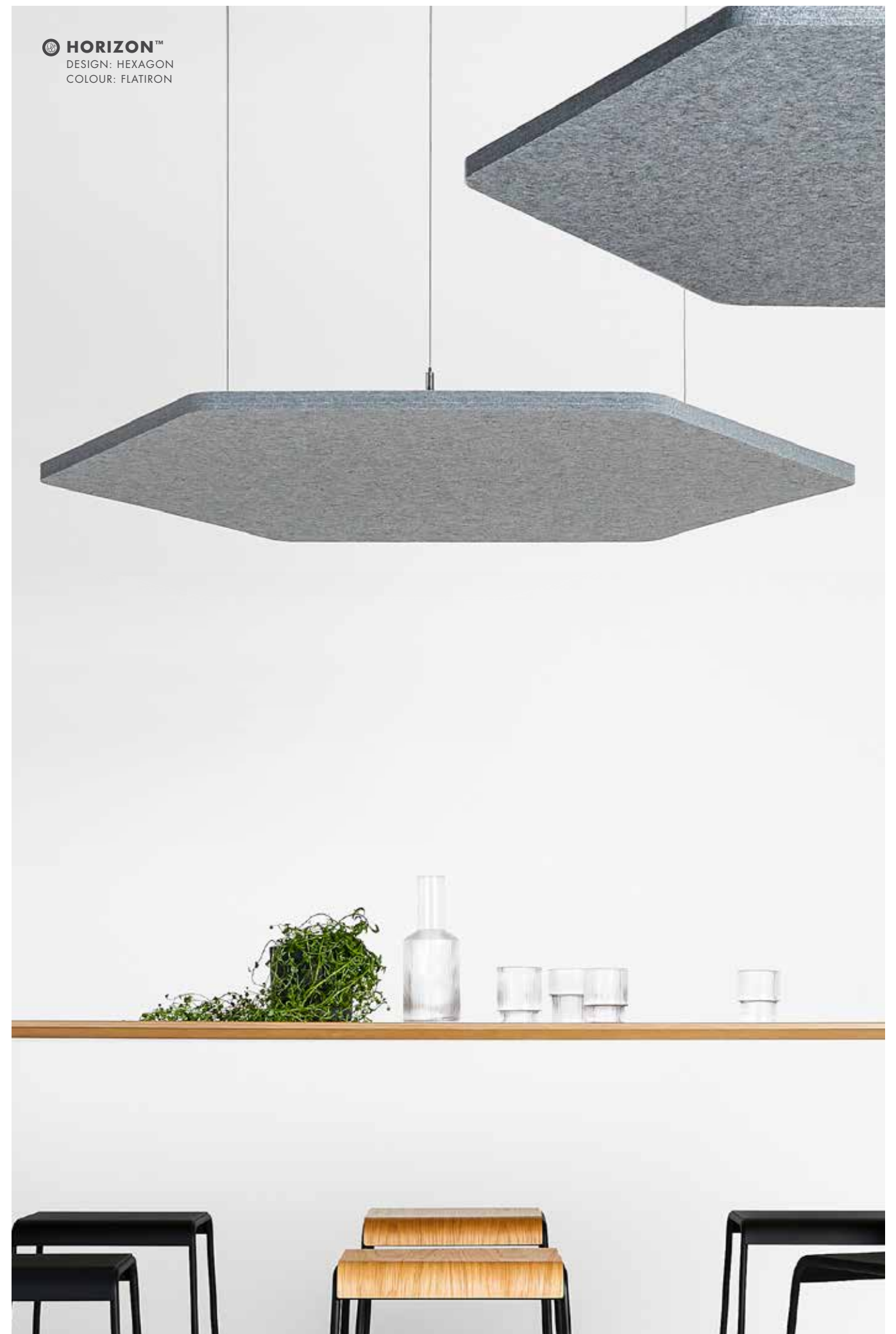
FLOATING ACOUSTIC PANELS

Horizon™ are floating acoustic panels, cut in a range of design options, that create a cloud-like illusion when suspended. With six geometric shapes, slick finished edges, and clean hidden fixings – Horizon effortlessly absorbs echo and reverberation whilst enhancing the aesthetics of the space. Horizon can be installed on ceilings and walls without the need for clear space, as the channels, clips, and suspension wires require limited contact.

The adjustable suspension system allows you to set the hanging height with ease, giving you the ability to target multiple frequency levels within the space. Horizon can also be clipped to walls as a removable acoustic panel, without the need for adhesives.

FEATURES AND BENEFITS

- Delivers excellent acoustic performance
- Suitable for wall and ceiling applications
- Can be subtle, or a feature design, for small or large spaces
- Low VOC – beneficial for IEQ
- UV resistant qualities
- No formaldehyde, crystalline silica, or other carcinogens
- Easy to remove and clean
- Hides ceiling services
- Durable, providing long-term stability and performance
- Made locally



HORIZON™
DESIGN: HEXAGON
COLOUR: FLATIRON



HORIZON™
DESIGN: CIRCLE
COLOUR: FALLING WATER

APPLICATIONS

- Suitable for a variety of spaces including offices, education, retail, hospitality, and commercial interiors
- Fixed or suspended acoustic ceiling and wall panels

SPECIFICATION

Acoustic panels shall be Horizon™ (L) as compiled by Autex www.autexglobal.com

Acoustic absorber Horizon
(Rectangle 2400 x 1200mm), (Square 1200 x 1200mm),
(Circle 1200mm Diam.), (Right Angled Triangles 1200 x
1200mm), (Oval 2400 x 1200mm), (Hexagons 1100mm
across the flats) 24 mm thick. Colour (L),

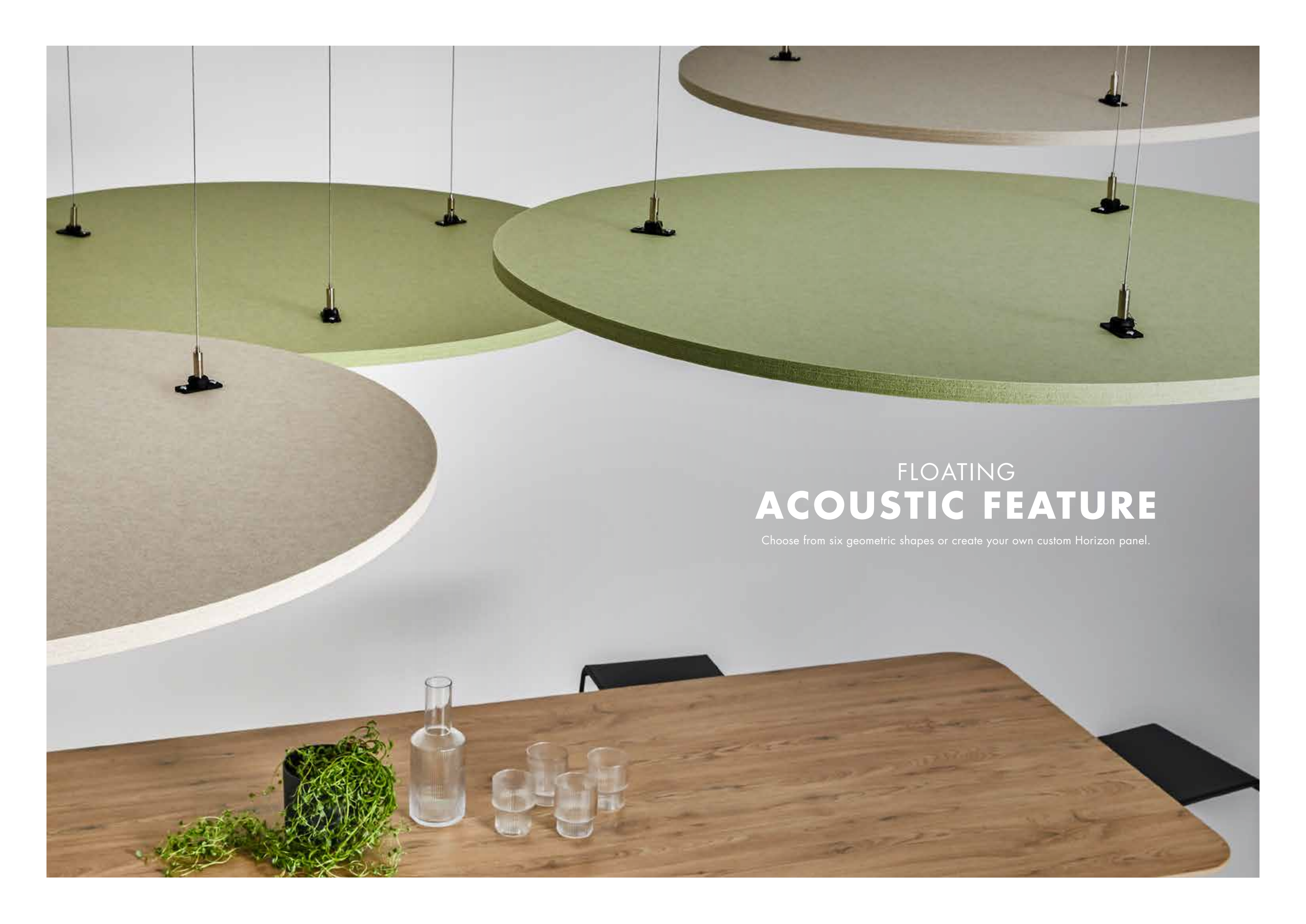
Fire Rating ISO 9705: 1993: Group 1-S,

AS ISO 9705 – 2003: Group 1,

ASTM E-84-15a: Class A, FS:0 - SD:45.

Seismic bracing as per local building code requirements.

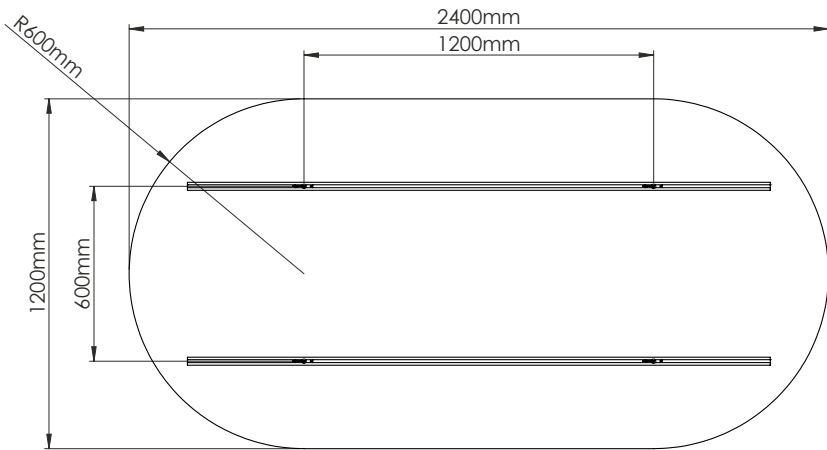
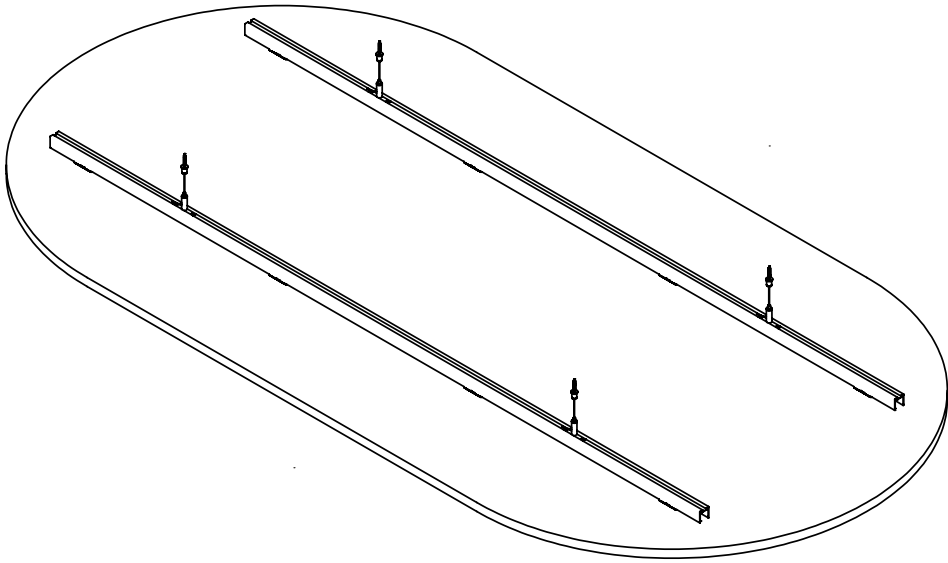
Supplied with Autex attachment, suspension, or direct fix sets; fix with countersunk fastener appropriate for the substrate. Install as per Horizon Install Instructions.



FLOATING **ACOUSTIC FEATURE**

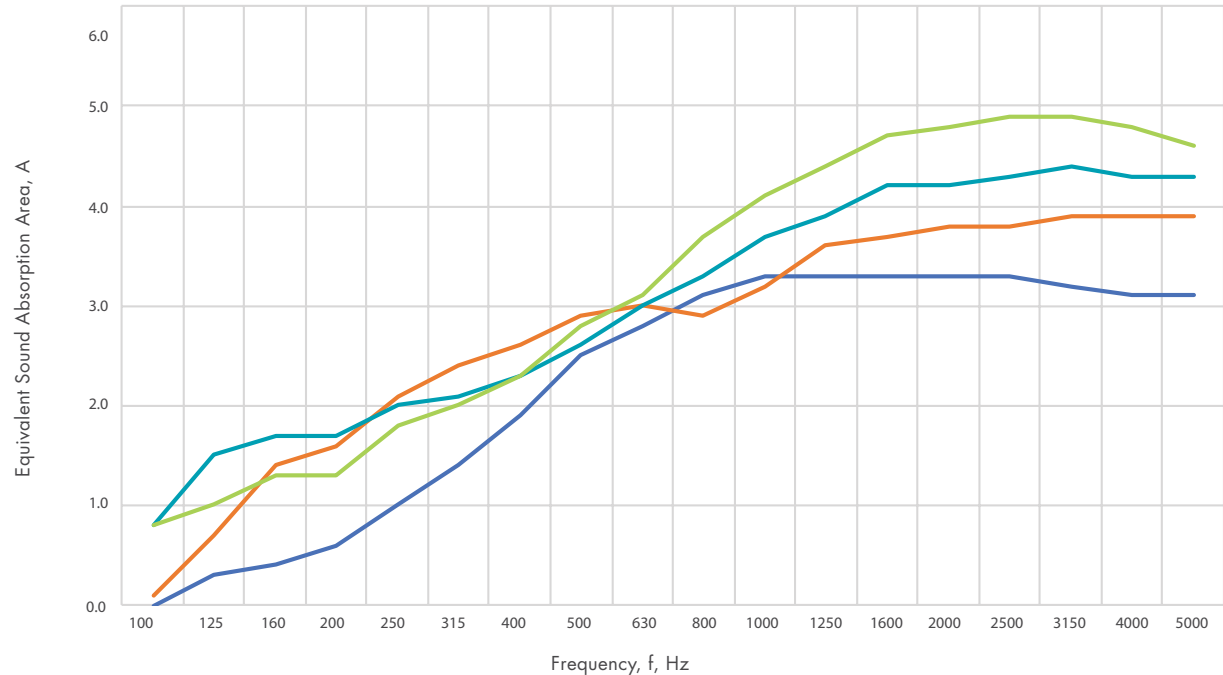
Choose from six geometric shapes or create your own custom Horizon panel.

DESIGN OPTIONS



DESIGN OVAL

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Oval Direct Fixed on Clips	T1805-1	0.3	1.0	2.4	3.3	3.3	3.2	2.5
Horizon Oval Suspended 200mm	T1805-22	0.8	2.1	2.9	3.3	3.8	3.9	3.0
Horizon Oval Suspended 400mm	T1805-21	1.4	2.0	2.7	3.7	4.3	4.4	3.1
Horizon Oval Suspended 800mm	T1805-11	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Oval
Composition	100% polyester fibre
Panel Dimensions	1200mm x 2400mm
Tolerance	(+0.5mm) (+0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website www.autexglobal.com

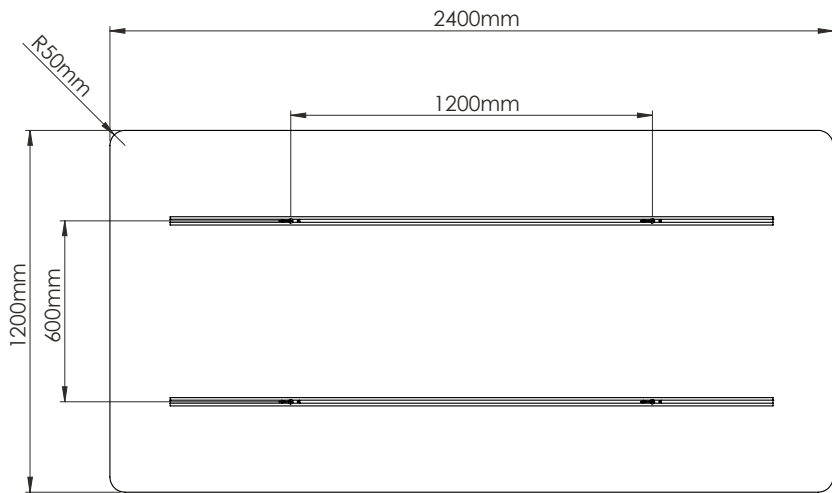
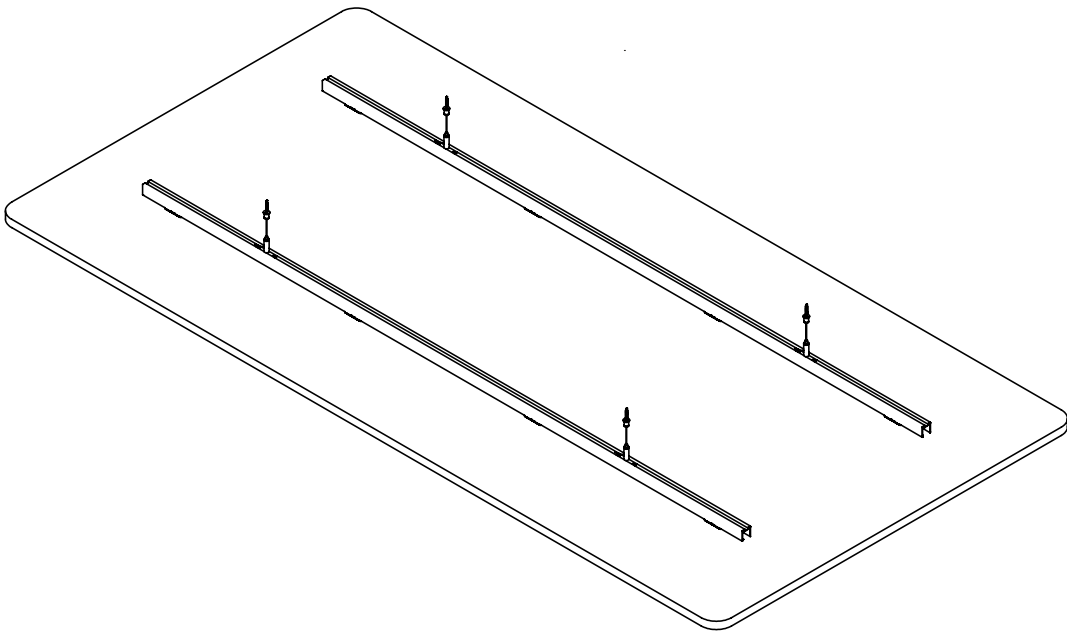
In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

HORIZON OVAL PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	1	1
Autex Suspension Sets/pack (RAHVAS)	2	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	0	0
Floating Panel Connector Sets/pack (RAFFPC)	4	4
Channel lengths reqd/pack (RAFNEX2420)	2 x 2200mm	0
Channel lengths reqd/pack (RAFNEX24)	0	2 x 2400mm

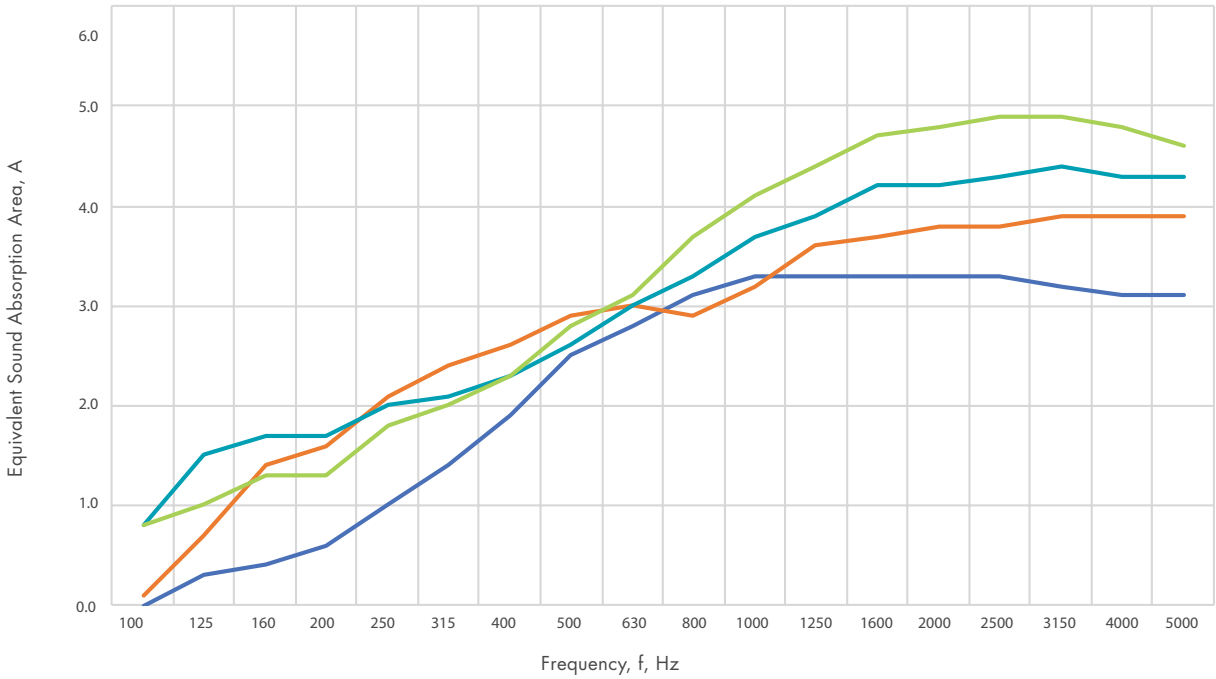
Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.

DESIGN OPTIONS



DESIGN RECTANGLE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Rectangle Direct Fixed on Clips	T1805-1	0.3	1.0	2.4	3.3	3.3	3.2	2.5
Horizon Rectangle Suspended 200mm	T1805-22	0.8	2.1	2.9	3.3	3.8	3.9	3.0
Horizon Rectangle Suspended 400mm	T1805-21	1.4	2.0	2.7	3.7	4.3	4.4	3.1
Horizon Rectangle Suspended 800mm	T1805-11	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Rectangle
Composition	100% polyester fibre
Panel Dimensions	1200mm x 2400mm
Tolerance	(+/-0.5mm) (+/-0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website www.autexglobal.com

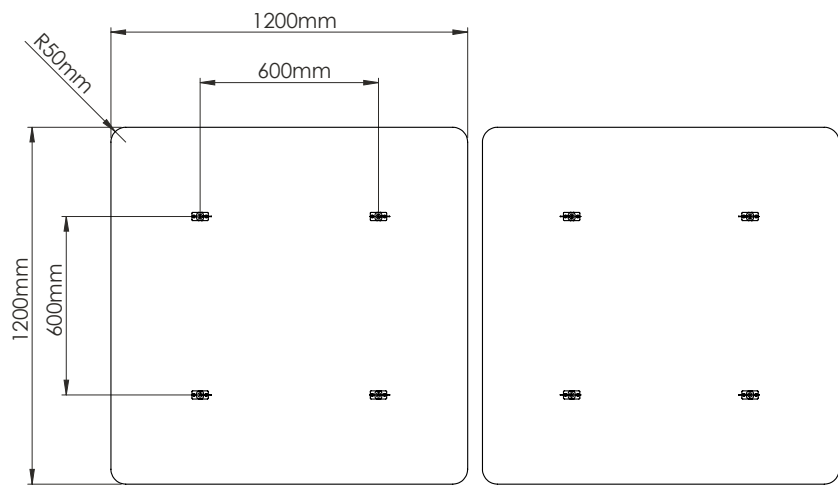
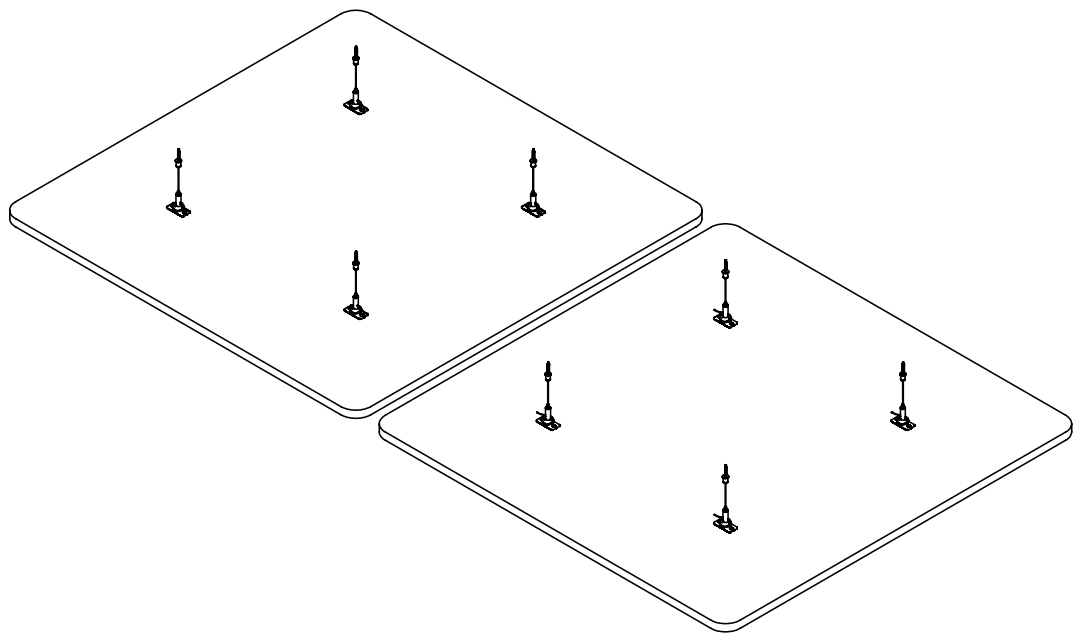
In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

HORIZON RECTANGLE PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	1	1
Autex Suspension Sets/pack (RAHVAS)	2	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	0	0
Floating Panel Connector Sets/pack (RAFFPC)	4	4
Channel lengths reqd/pack (RAFNEX2420)	2 x 2200mm	0
Channel lengths reqd/pack (RAFNEX24)	0	2 x 2400mm

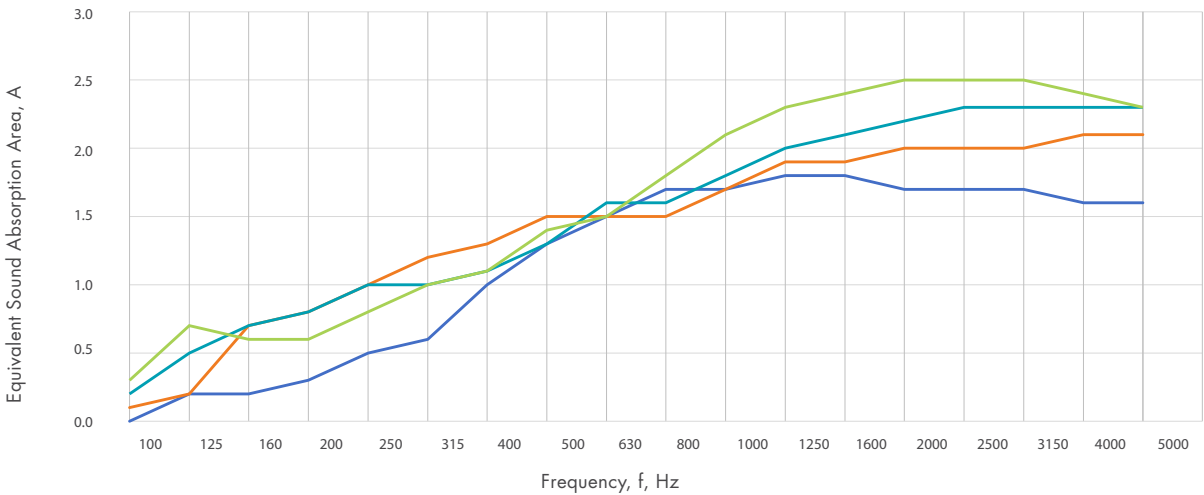
Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.

DESIGN OPTIONS



DESIGN SQUARE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Square Direct Fixed on Clips	T1805-2	0.2	0.5	1.3	1.7	1.7	1.6	1.3
Horizon Square Suspended 200mm	T1805-14	0.2	1	1.5	1.7	2	2.1	1.6
Horizon Square Suspended 400mm	T1805-13	0.5	1	1.3	1.8	2.2	2.3	1.6
Horizon Square Suspended 800mm	T1805-12	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Square
Composition	100% polyester fibre
Panel Dimensions	1200mm x 1200mm
Tolerance	(+0.5mm) (+0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website www.autexglobal.com

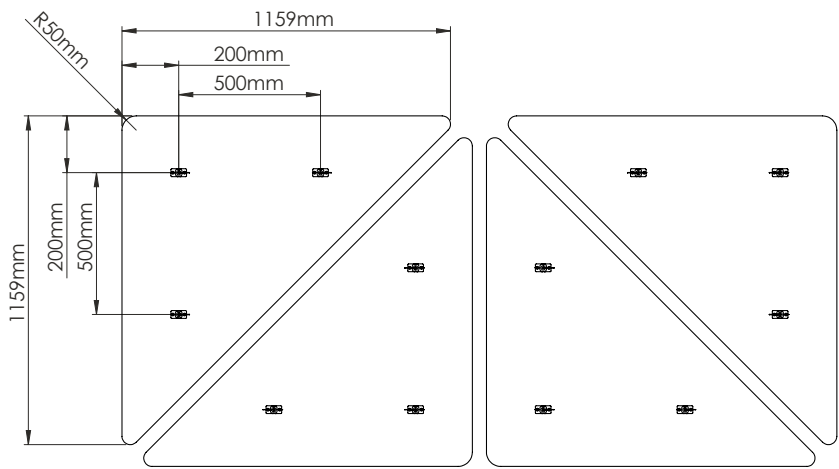
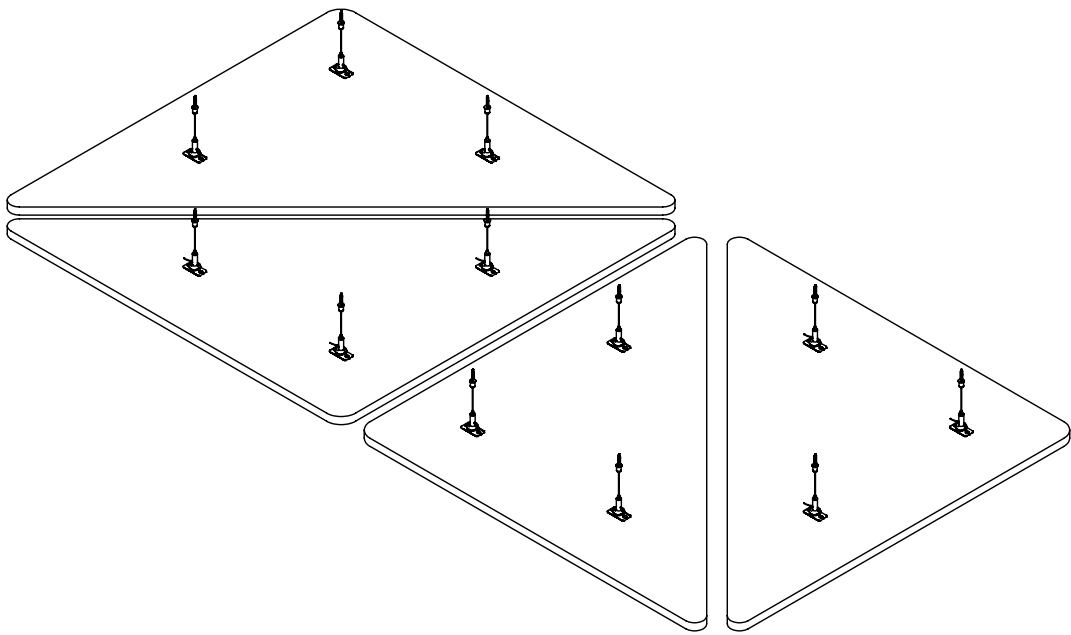
In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

HORIZON SQUARE PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	2	2
Autex Suspension Sets/pack (RAHVAS)	0	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	4	0
Floating Panel Connector Sets/pack (RAFFPC)	4	4
Channel lengths reqd/pack (RAFNEX2420)	0	0
Channel lengths reqd/pack (RAFNEX24)	0	2 x 2400mm

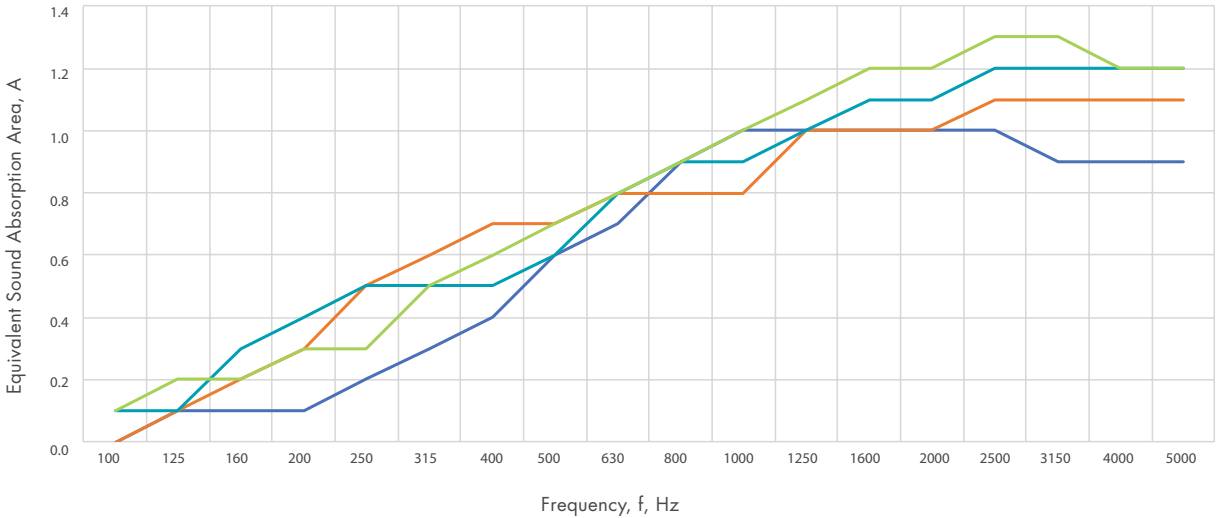
Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.

DESIGN OPTIONS



DESIGN RIGHT ANGLE TRIANGLE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Right Angle Triangle Direct Fixed on Clips	T1805-3	0.1	0.2	0.6	1	1	0.9	0.7
Horizon Right Angle Triangle Suspended 200mm	T1805-19	0.1	0.5	0.7	0.8	1	1.1	0.8
Horizon Right Angle Triangle Suspended 400mm	T1805-20	0.1	0.5	0.6	0.9	1.1	1.2	0.8
Horizon Right Angle Triangle Suspended 800mm	T1805-10	0.2	0.3	0.7	1	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Right Angle Triangle
Composition	100% polyester fibre
Panel Dimensions	1200mm x 1200mm
Tolerance	(+/-0.5mm) (+/-0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website www.autexglobal.com

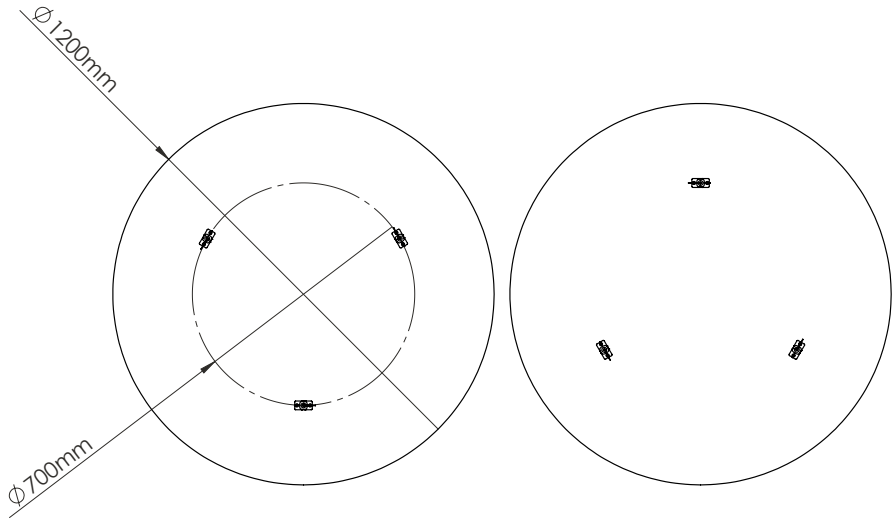
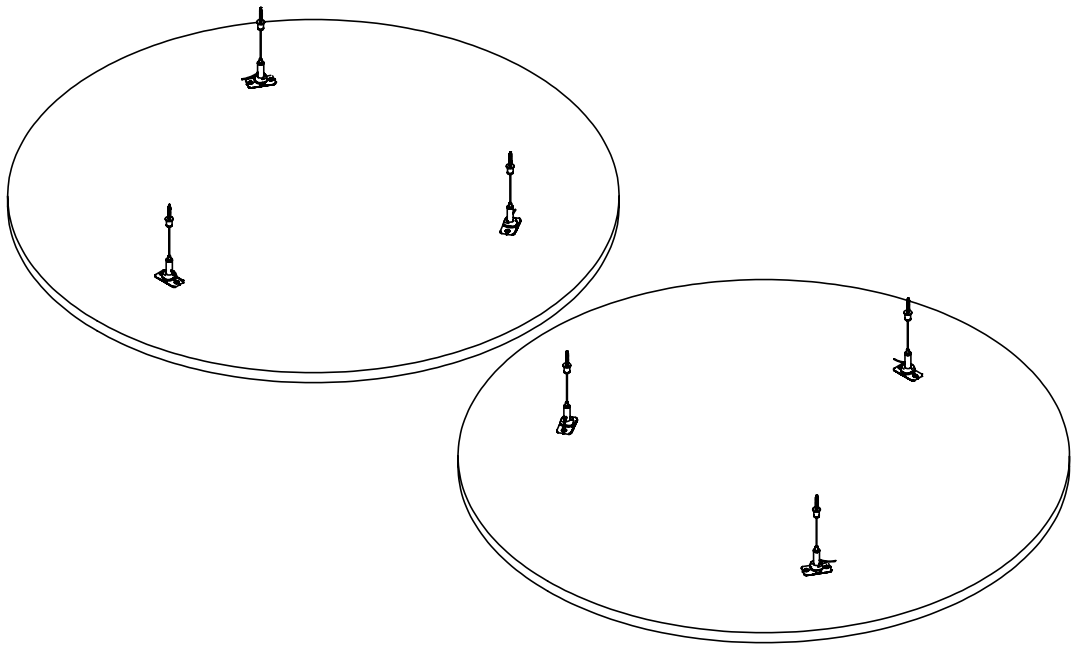
In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

HORIZON RIGHT ANGLE TRIANGLE
PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	2	2
Autex Suspension Sets/pack (RAHVAS)	0	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	6	0
Floating Panel Connector Sets/pack (RAFFPC)	6	6
Channel lengths reqd/pack (RAFNEX2420)	0	0
Channel lengths reqd/pack (RAFNEX24)	0	3 x 2400mm

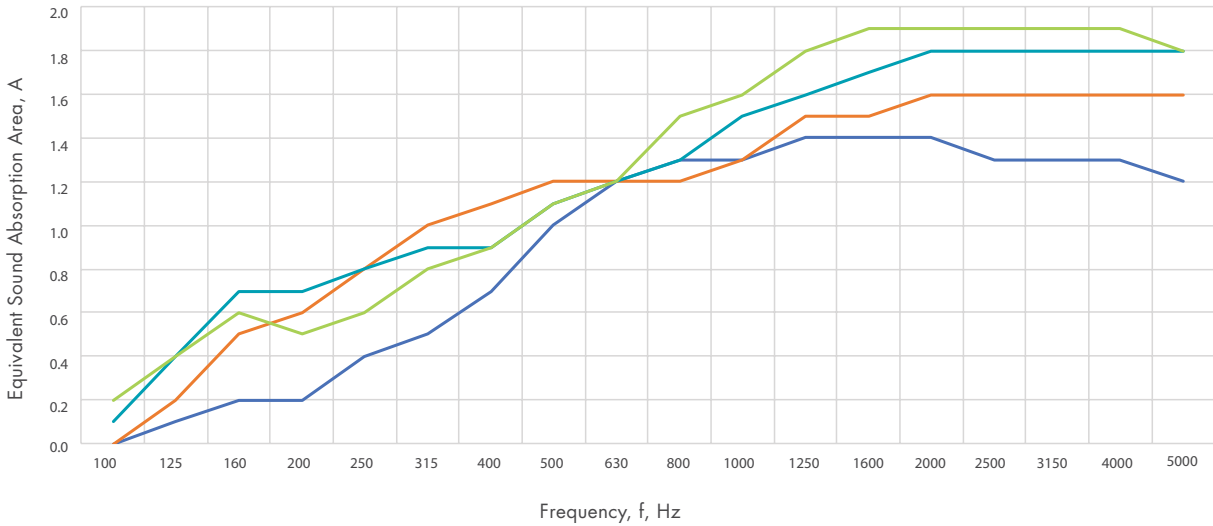
Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.

DESIGN OPTIONS



DESIGN CIRCLE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Circle Direct Fixed on Clips	T1805-5	0.1	0.4	1	1.3	1.4	1.3	1.0
Horizon Circle Suspended 200mm	T1805-15	0.2	0.8	1.2	1.3	1.6	1.6	1.2
Horizon Circle Suspended 400mm	T1805-16	0.4	0.8	1.1	1.5	1.8	1.8	1.3
Horizon Circle Suspended 800mm	T1805-9	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Circle
Composition	100% polyester fibre
Panel Dimensions	1200mm Diam.
Tolerance	(+/-0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website www.autexglobal.com

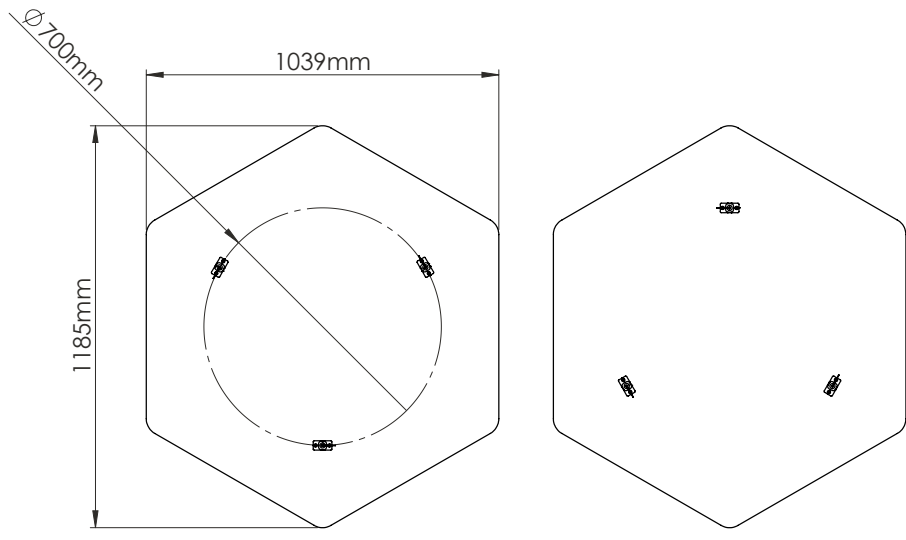
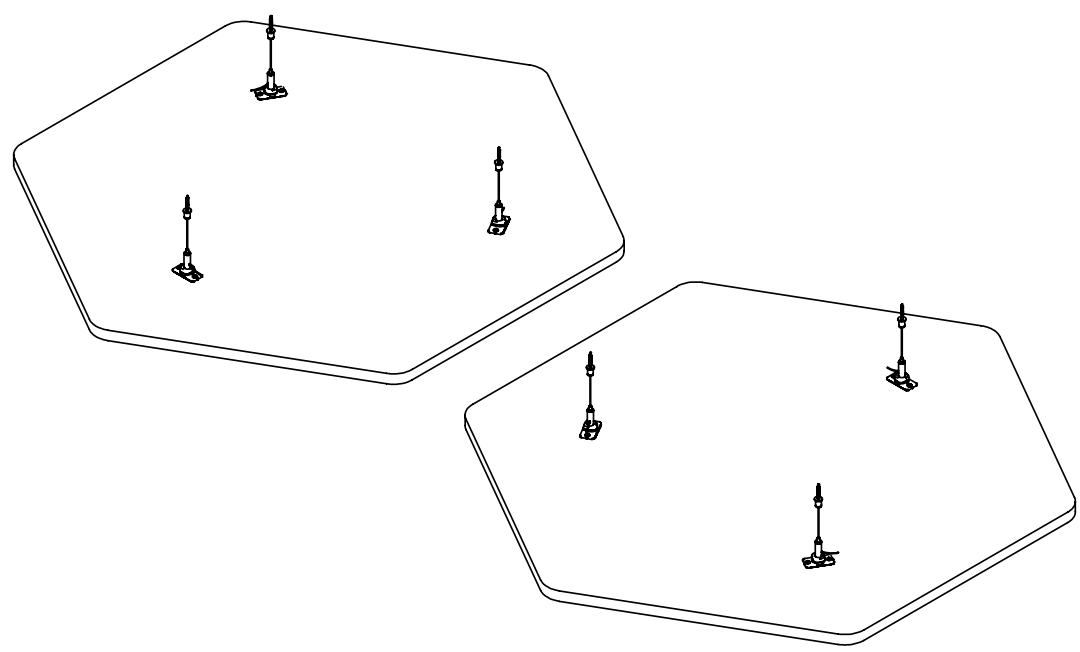
In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

HORIZON CIRCLE PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	2	2
Autex Suspension Sets/pack (RAHVAS)	0	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	3	0
Floating Panel Connector Sets/pack (RAFFPC)	3	4
Channel lengths reqd/pack (RAFNEX2420)	0	0
Channel lengths reqd/pack (RAFNEX24)	0	2 x 2400mm

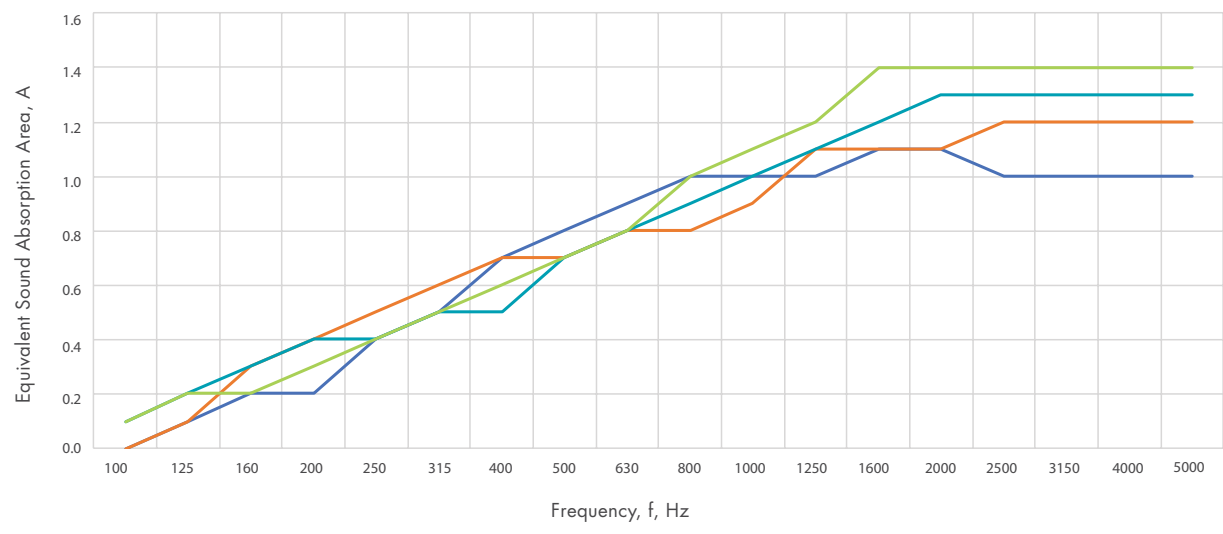
Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.

DESIGN OPTIONS



DESIGN HEXAGON

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354.



	University of Auckland Test report Number	125	250	500	1000	2000	4000	Per Unit
Horizon Hexagon Direct Fixed on Clips	T1805-4	0.1	0.4	0.8	1	1.1	1	0.8
Horizon Hexagon Suspended 200mm	T1805-18	0.1	0.5	0.7	0.9	1.1	1.2	0.8
Horizon Hexagon Suspended 400mm	T1805-17	0.2	0.4	0.7	1	1.3	1.3	0.9
Horizon Hexagon Suspended 800mm	T1805-8	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 centred on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Horizon™ Hexagon
Composition	100% polyester fibre
Panel Dimensions	1100mm across the flats
Tolerance	(+/-0.5mm)
Thickness	24mm
Tolerance	(+/- 6%)
Weight	3600gsm

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website 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.

HORIZON HEXAGON PACK CONTENTS

	SUSPENDED OPTION	DIRECT FIX OPTION
Shapes/pack	2	2
Autex Suspension Sets/pack (RAHVAS)	0	0
Autex Adjustable Suspension Sets/pack (RAHVASSC)	3	0
Floating Panel Connector Sets/pack (RAFFPC)	3	4
Channel lengths reqd/pack (RAFNEX2420)	0	0
Channel lengths reqd/pack (RAFNEX24)	0	2 x 2400mm

Additional connectors are available for grid or metal ceilings, see more on suspension kit page. For grouped or other fixing methods, please contact your Autex account manager.



CREATE BEAUTIFUL **CEILINGSCAPES**

Play with suspension heights to give the space depth and perspective.

HORIZON™
DESIGN: CUSTOM
COLOUR: SAVOYE, IRONBANK
AND PETRONAS



CUSTOMISATION

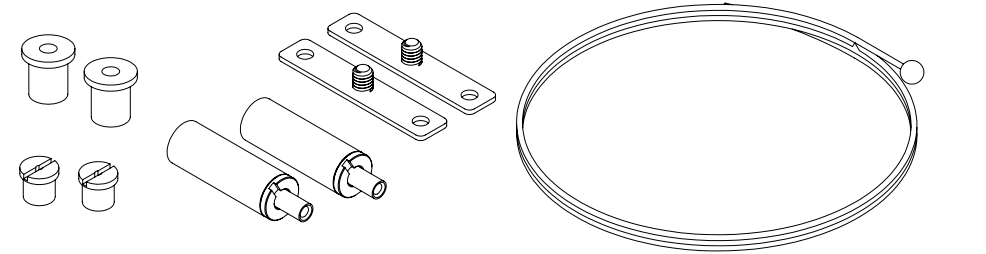
As creators and innovators, we understand your pursuit of the bold and unusual, the rare and exceptional—the brave, colour-outside-the-lines ideas. Every space you design is unique, therefore, every element—from floor to ceiling—should be tailored to fit. Our customisation tools offer unique avenues for creative expression to help you achieve your vision—all that's left to explore are the boundaries of your imagination.

Our customisation capabilities include Print, Etch, Groove, CNC Machines, Mould and Press, and Peel 'n' Stick. Visit our website to learn more www.autexglobal.com/customisation

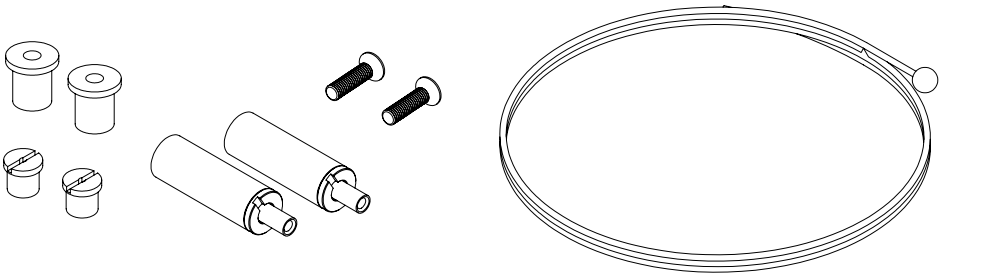
SUSPENSION KIT

When you order Horizon (unless additional pieces are ordered) you will receive the appropriate attachment, suspension, or direct fix set. Below is a breakdown of the standard suspension sets and the additional pieces available to support the different installation techniques.

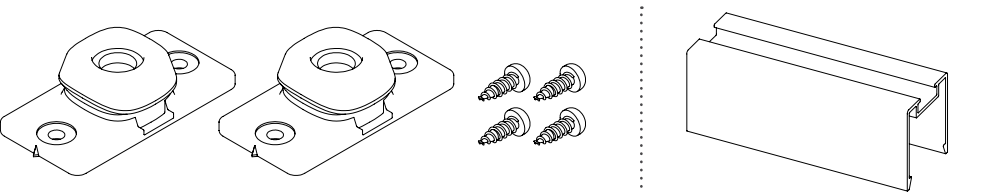
STANDARD SUSPENSION SETS



Autex Suspension Set (RAHVAS)
2 Ceiling Connectors
2 Ceiling Connector Caps
2 Attachment Plates
2 Cable Adjustment Barrels
2 1m x 1.5mm Braided Cables

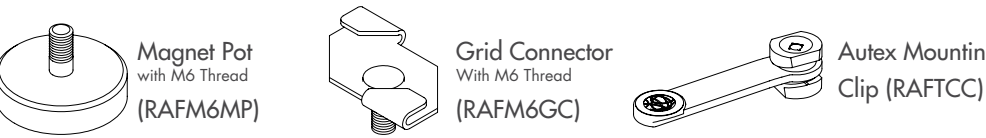


Autex Adjustable Suspension Set (RAHVASSC)
2 Ceiling Connectors
2 Ceiling Connector Caps
2 M5 x 20mm CSK Machine Screw
2 Cable Adjustment Barrels
2 1m x 1.5mm Braided Cables



Floating Panel Connector Set (RAFFPC)
2 Floating Panel Connectors
4 8G x 1/2" Panhead Screws
Channels
2200mm Aluminum Channel (RAFEX2420)
2400mm Aluminum Channel (RAFEX24)

ADDITIONAL PARTS



LIGHT REFLECTANCE VALUES BY COLOUR

LRVs were measured in accordance with BS 8493:2008+A1:2010

Pavilion	78
Opera	49
Savoye	47
Senado	45
Rosada	45
Acros	42
Falling Water	36
Bosco	29
Flatiron	25

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: <5.0m²/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Australian Group Number: Group 1
SMOGRARC: less than 100m²/s2
Tested using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4, FAR 4055

ASTM E-84-15a

Class A, FS:0 - SD:65
RJ4479

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered a low VOC product. VOC concentration: 0.009 mg/m3 (7 days)

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour 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 moulds 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)

Zenith	22
Lotus	16
Galaxy	16
Iron Bank	13
Pinnacle	8
Empire	6
Tree House	3
Petronas	2

MECHANICAL TESTING

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

COLOUR 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 fibre 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. Horizon is made from 24mm Cube as the base material. Custom printed Cube requires the services of a specialist cleaning company. Refer to the Horizon Care and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Horizon contains a minimum of 60% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Horizon is manufactured from 100% polyester fibre and does not contain formaldehyde binders. Autex polyester fibre supports safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

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

COLOUR OPTIONS

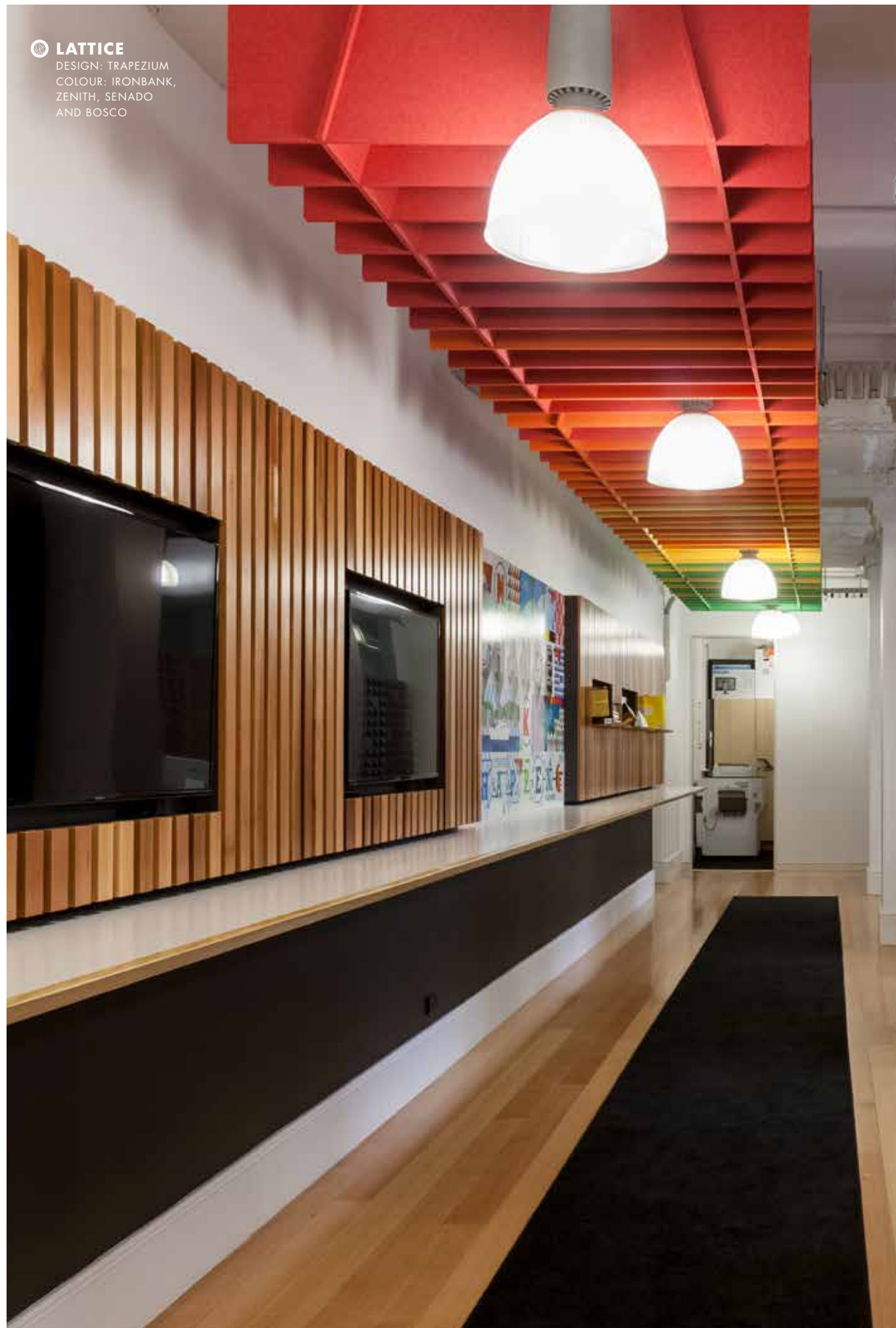


MOQ's apply to some colors. Custom colors available on request. To find out more, or to order a sample, please contact your Autex account manager or visit our website www.autexglobal.com

LATTICE SUSPENDED BAFFLES



LATTICE
DESIGN: TRAPEZIUM
COLOUR: IRONBANK,
ZENITH, SENADO
AND BOSCO



LATTICE

Lattice is a master at controlling the echo of background chatter and reducing reverberated noise whilst adding a unique piece to any space.

Lattice offers incredible performance by using fins. Because noise operates in different frequencies the various shapes of Lattice are designed to tune into and cut out the babble. Lattice is available in 3 ready to go styles but our design team can create bespoke fins and shapes for your challenge. Lattice is available in a wide range of colours.

But Lattice doesn't only look good, it's high performing as well; specifically designed to reduce and control echo creating a more focused and productive space.

Just like the rest of our range, durability, longevity and performance are assured, leaving nothing left but your creative license.

LATTICE

APPLICATIONS

- Decorative and functional acoustic absorption system for office, education, retail, hospitality and commercial interiors
- Minimise noise in the interior environment and create a unique aesthetic

SPECIFICATION

Suspended acoustic absorption system shall be Lattice from thermally bonded polyester containing not less than 45% recycled material as manufactured by Autex. www.autexindustries.com

Suspended acoustic absorber Autex Eclipse / Autex Torus / Autex Trapezium, color (L), sound absorption Class A, NRC 1.00 – if direct fixed to ceiling: Class A, NRC 1.00. Fire rating ASTM E-84-14: Class A, FS:0 - SD:45, ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003, Classification: Group 1, EN13501-1:2007+A1:2009: B - s2, d2.

Lattice to be supplied unassembled with 4 x 1m galvanised cables, 4 x ceiling mounts, 4 x "Velda" cable clips, 4 x alloy tube inserts. Install as per Autex Lattice (Eclipse, torus, trapezium) Install Instructions.

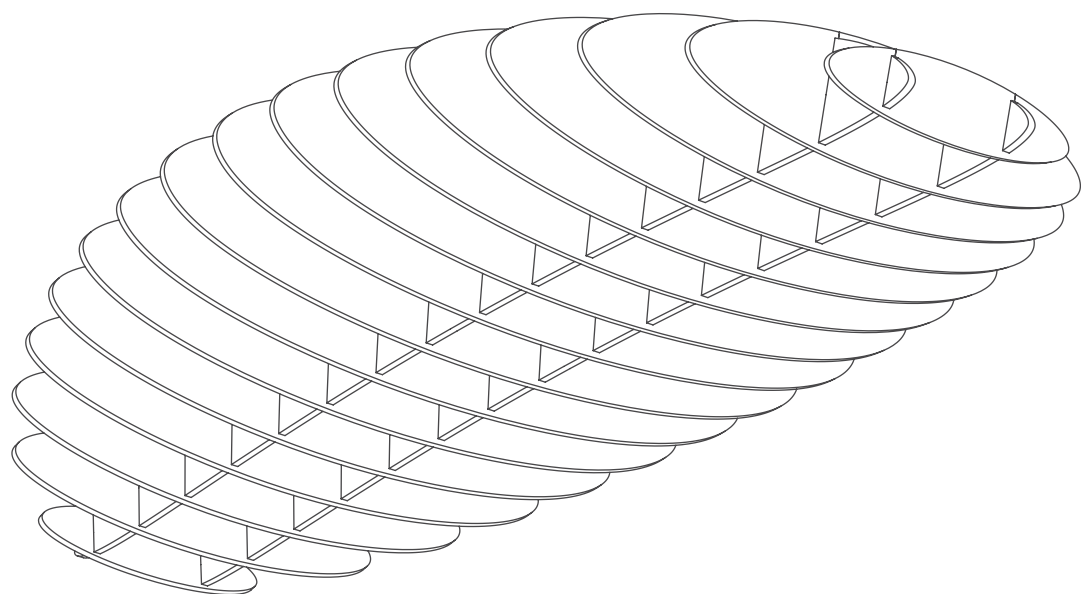
Suspended acoustic absorber 1450 x 1450 x 293mm (nom. depth), color (L). Fire rating ASTM E-84-15a: Class A, FS:0 - SD:45, ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003. Classification: Group , EN1350-1: 2007 + A1: 2009: B-s2, d2.

Lattice to be supplied unassembled with 8 x 1m galvanised cables, 8 x ceiling mounts, 8 x "Velda" cable clips. Install as per Autex Lattice Install Instructions.



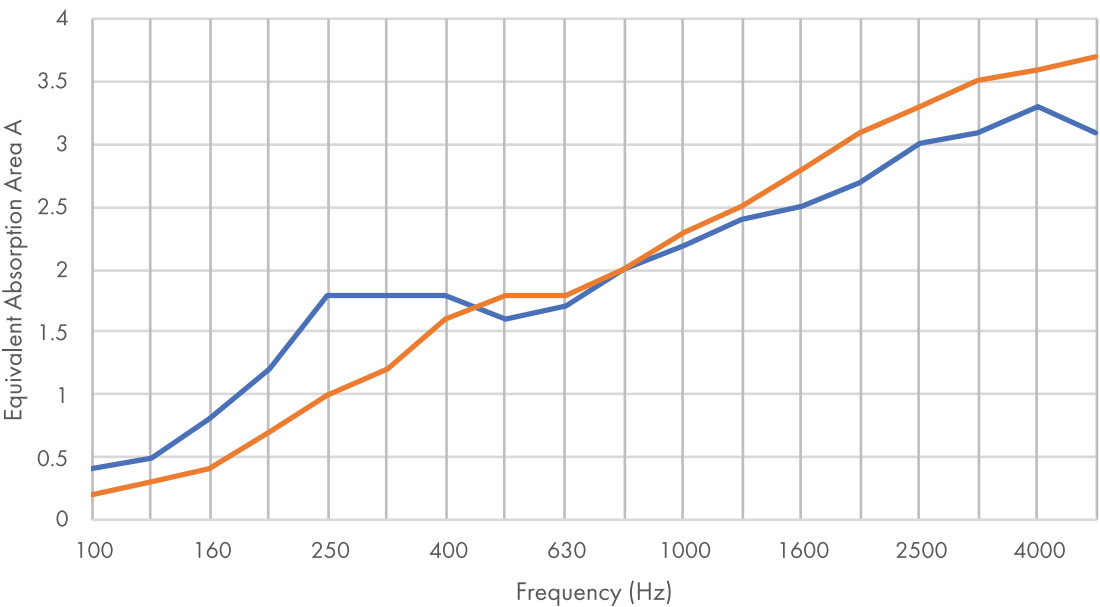
LATTICE

DESIGN OPTIONS



DESIGN ECLIPSE COLOUR SEE PAGE 17 FOR FULL COLOUR RANGE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354



Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	Metric Sabine Per Unit
Lattice Eclipse 12mm Direct Fix	T1420-1	0.6	1.6	1.7	2.2	2.8	3.2	2.10
Lattice Eclipse 12mm Suspended 200mm	T1409-7	0.3	1.0	1.8	2.3	3.1	3.6	2.05

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 centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Lattice Eclipse
Composition	100% Polyester Fibre (PET)
Assembled Size	1197mm x 2346mm x 337mm
Tolerance	(+0.5mm) (+0.5mm) (+0.5mm)
Thickness	12mm
Tolerance	(+/-6%)
Weight	2300 GSM

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

Lattice Eclipse is specifically designed to reduce and control reverberated noise (echo) in building interiors.

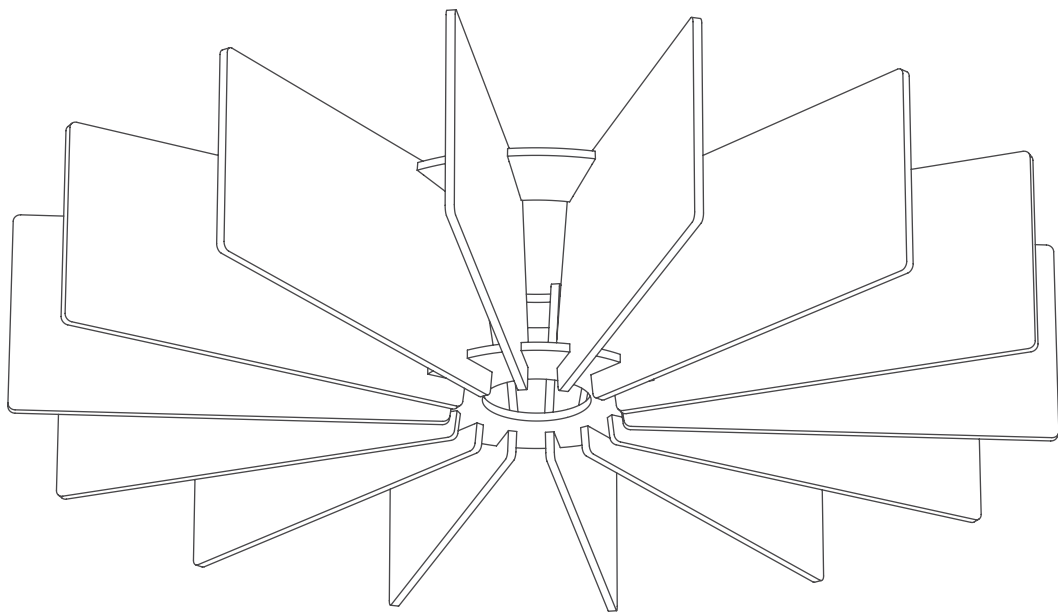
LIGHT REFLECTANCE VALUES BY COLOUR

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

Pavilion	78	Zenith	22
Opera	49	Lotus	16
Savoye	47	Galaxy	16
Senado	45	Iron Bank	13
Rosada	45	Pinnacle	8
Acros	42	Empire	6
Falling Water	36	Tree House	3
Bosco	29	Petronas	2
Flatiron	25		

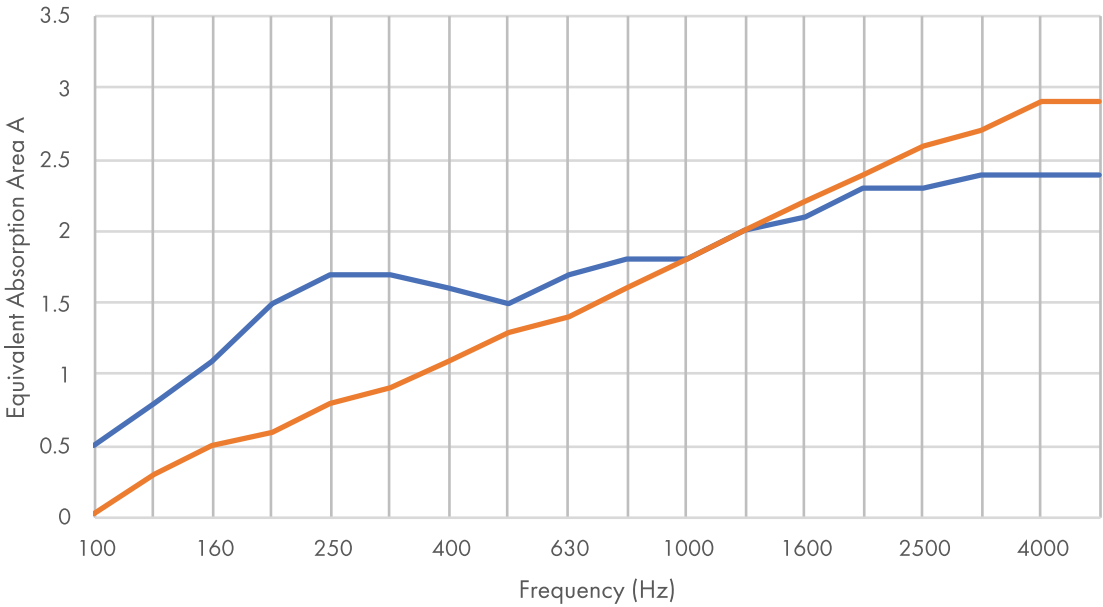
LATTICE

DESIGN OPTIONS



DESIGN TORUS COLOUR SEE PAGE 17 FOR FULL COLOUR RANGE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354



Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	Metric Sabine Per Unit
Lattice Torus 12mm Direct Fix	T1420-2	0.8	1.7	1.6	1.9	2.3	2.4	1.85
Lattice Torus 12mm Suspended 200mm	T1420-2	0.3	0.8	1.3	1.8	2.4	2.9	1.60

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 centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Lattice Torus
Composition	100% Polyester Fibre (PET)
Assembled Size	1450mm x 1450mm x 293mm
Tolerance	(+0.5mm) (+0.5mm) (+0.5mm)
Thickness	12mm
Tolerance	(+/-6%)
Weight	2300 GSM

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

Lattice Torus is specifically designed to reduce and control reverberated noise (echo) in building interiors.

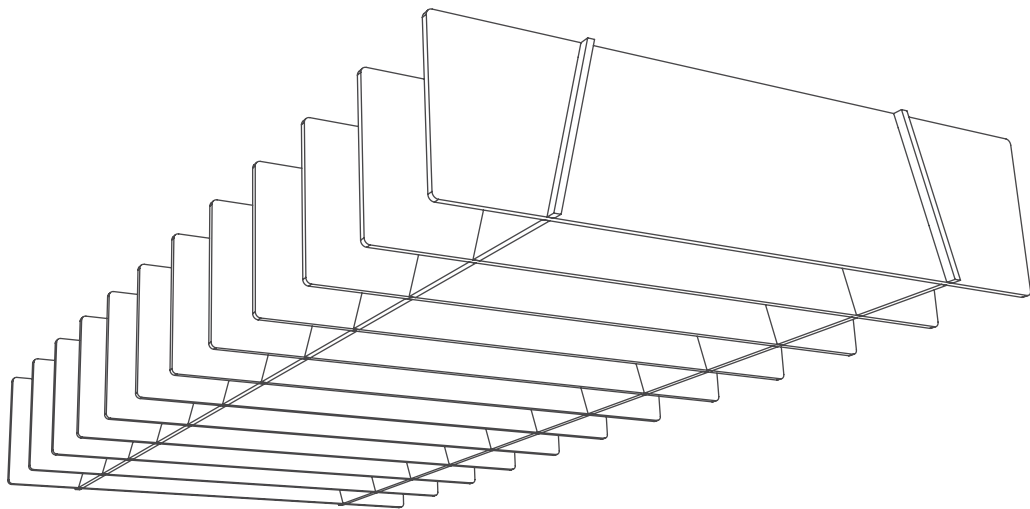
LIGHT REFLECTANCE VALUES BY COLOUR

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

Pavilion	78	Zenith	22
Opera	49	Lotus	16
Savoye	47	Galaxy	16
Senado	45	Iron Bank	13
Rosada	45	Pinnacle	8
Acros	42	Empire	6
Falling Water	36	Tree House	3
Bosco	29	Petronas	2
Flatiron	25		

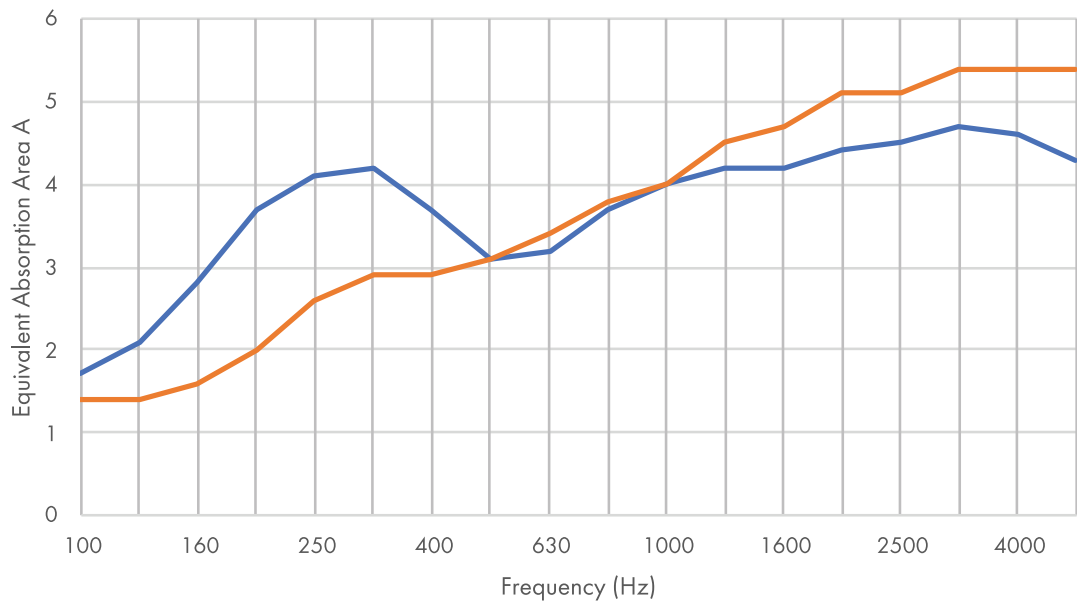
LATTICE

DESIGN OPTIONS



DESIGN TRAPEZIUM COLOUR SEE PAGE 17 FOR FULL COLOUR RANGE

EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354



Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	Metric Sabine Per Unit
Lattice Trapezium 12mm Direct Fix	T1326-16	2.2	4.0	3.4	4.0	4.4	4.6	3.90
Lattice Trapezium 12mm Suspended 200mm	T1326-14	1.5	2.5	3.2	4.1	5.0	5.4	3.70

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 centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Lattice Trapezium
Composition	100% Polyester Fibre (PET)
Assembled Size	1180mm x 2380mm x 290mm
Tolerance	(+0.5mm) (+0.5mm) (+0.5mm)
Thickness	12mm
Tolerance	(+/-6%)
Weight	2300 GSM

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

Lattice Trapezium is specifically designed to reduce and control reverberated noise (echo) in building interiors.

LIGHT REFLECTANCE VALUES BY COLOUR

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

Pavilion	78	Zenith	22
Opera	49	Lotus	16
Savoye	47	Galaxy	16
Senado	45	Iron Bank	13
Rosada	45	Pinnacle	8
Acros	42	Empire	6
Falling Water	36	Tree House	3
Bosco	29	Petronas	2
Flatiron	25		



FIRE RATINGS

Lattice is a value-added product made from Autex Cube™ acoustic panels as the base material. Cube™ (12mm) has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
Smoke Production Rate: <5.0m2/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGRARC): <100m2/s2
Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4
FI 4974 dated 16th September, 2012 and FAR 4055-2 dated 8th October 2013

EN13501-1:2007+A1:2009

B - s2, d2
VF336911 dated 25th February 2014

ASTM E-84-15a

Class A, FS:0 - SD:45
RJ4479-2 dated 25th January, 2015

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.

VOC concentration: 0.009 mg/m3 (7 days)

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour absorbed and adsorped after 4 days: 0.4% by weight

MICROBIAL RESISTANCE

ASTM G21-15

Growth Rating: 0 (No growth)

Lattice Eclipse does not promote the growth of moulds and mildew.

COLOUR FASTNESS TO LIGHT

Lattice is suitable for indoor use only. Light fastness is dependent on use and exposure. Lattice Eclipse has been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

COLOUR 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 fibre 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 Cube™ requires the services of a specialist cleaning company.

Refer to the Lattice Cleaning and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Lattice contains a minimum of 45% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Lattice is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

For further information about Lattice Eclipse, Autex Cube™ or any other Autex product, please contact your Autex account manager or visit our website.





LATTICE
DESIGN: ECLIPSE
COLOUR: FLATIRON,
FALLING WATER,
PINNACLE AND ZENITH

COLOUR OPTIONS

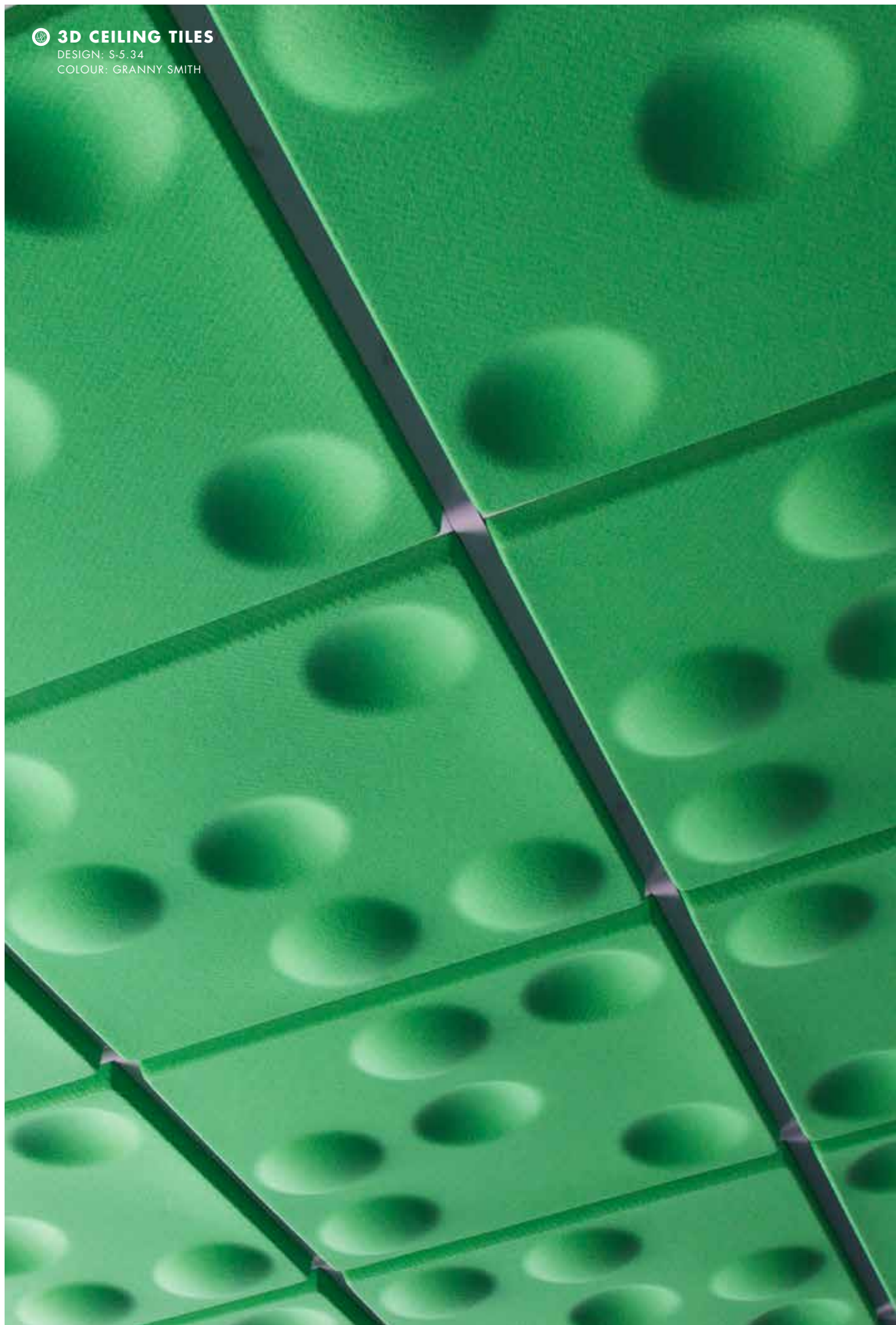
IRONBANK	ZENITH	SENADO
ROSADA	OPERA	ACROS
TREE HOUSE	LOTUS	BOSCO
PINNACLE	GALAXY	FALLING WATER
EMPIRE	FLATIRON	SAVOYE
PETRONAS	PAVILION	

MOQ's apply to some colours. To find out more, or to order a sample, please contact your Account Manager or visit our website.

INTERIOR ACOUSTICS 3D CEILING TILES



 **3D CEILING TILES**
DESIGN: S-5.34
COLOUR: GRANNY SMITH



3D CEILING TILES

3D Ceiling Tiles takes our popular wall tiles to all new heights; literally. Our creative and stylish tiles are available in a ceiling tile that can sit within any standard ceiling grid.

Choose from five original styles and 15 colours to create three-dimensional ceiling features that not only look good but are specially designed to reduce and control echo, for a more focused and productive space.

And you don't have to be restricted by a ceiling grid, as 3D Ceiling Tiles can be directly fixed to the ceiling, or used in a bespoke ceiling design; its completely up to you.

3D Ceiling Tiles are super lightweight, semi-rigid and easy to install. Just like the rest of the interior acoustics range, durability, longevity and performance are assured.

3D CEILING TILES

APPLICATIONS

- Decorative and functional acoustic tiles for residential, office, education, retail, hospitality and commercial interiors
- Minimise noise in the interior environment and create unique finishes and features

SPECIFICATION

(Ceiling) treatment shall be 3D Ceiling Tiles from thermally moulded, felted polyester material containing not less than 55% recycled material as manufactured by Autex. www.autexindustries.com

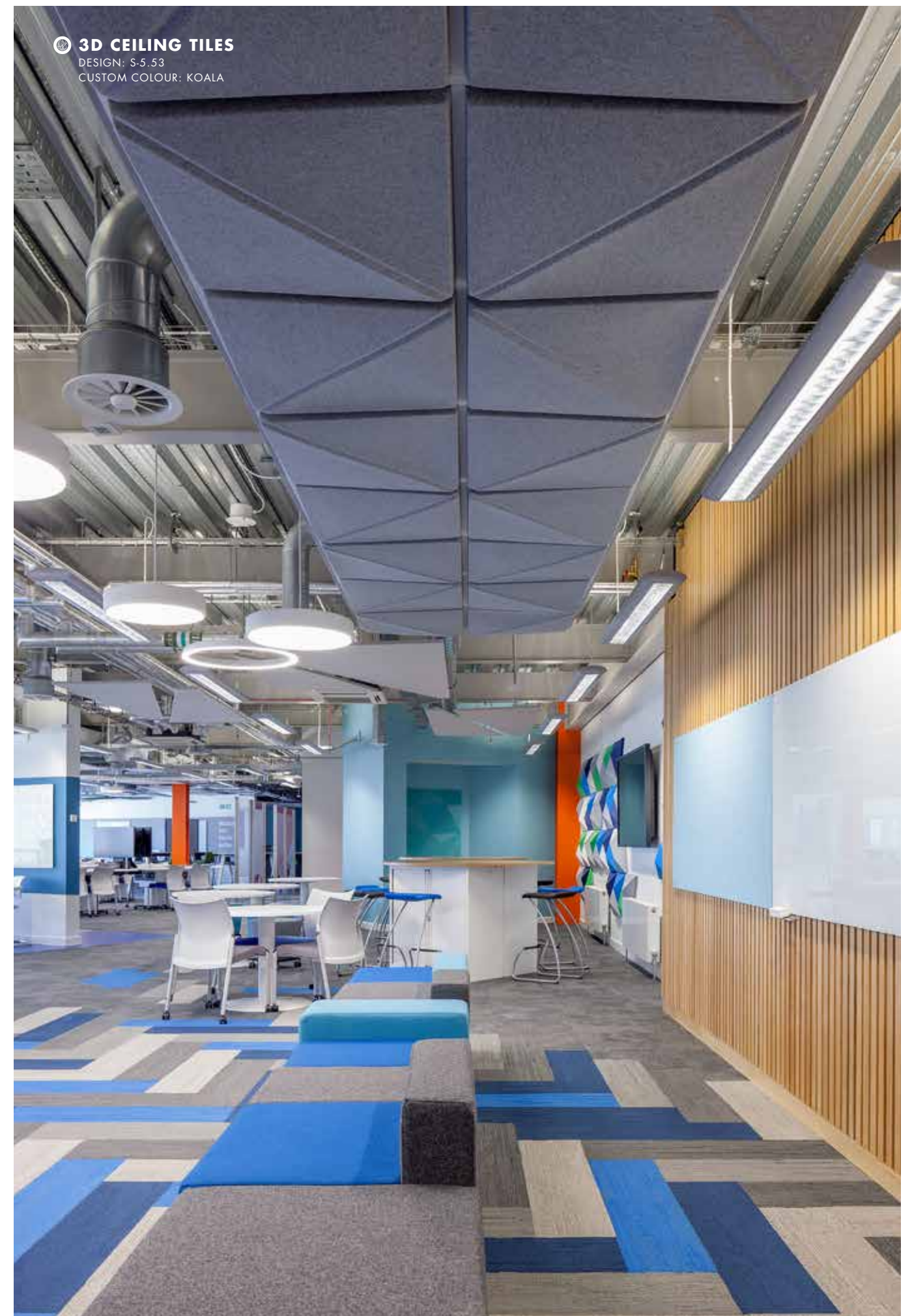
Tile (S-5.__), colour (__), sound absorption: Class C, NRC 0.75.

Fire rating ISO 9705: Classification: Group 1-S, EN13501-

1:2007+A1:2009: B - s1, d2, ASTM E-84-14

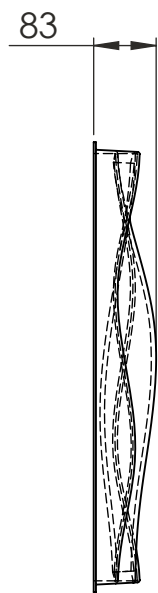
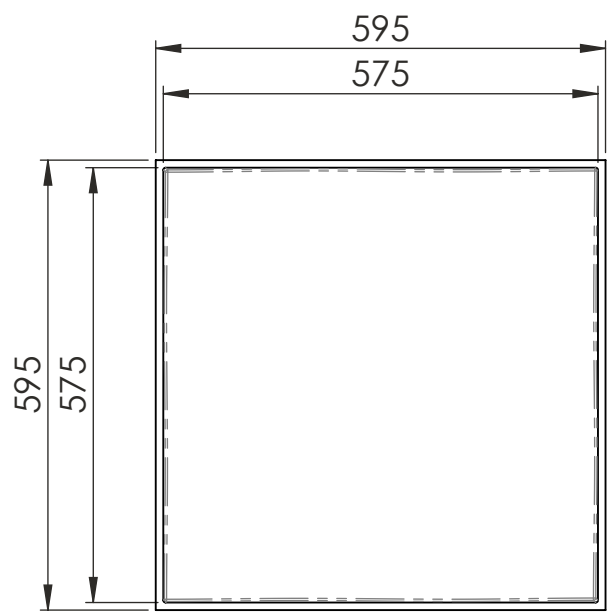
Class A, FS:0 - SD:10

Install as per Autex recommendations.

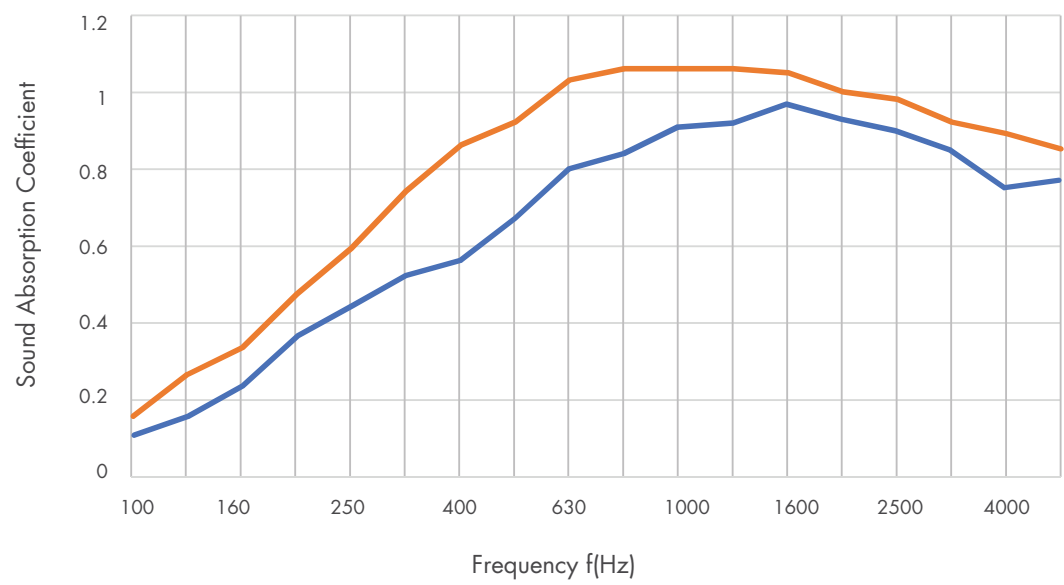


© 3D CEILING TILES
DESIGN: S-5.53
CUSTOM COLOUR: KOALA

S-5.26 DESIGN



ABSORPTION COEFFICIENT ACCORDING TO ISO 354



The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
3D Tiles without AAB 35-25	T1012-3	0.15	0.45	0.65	0.90	0.90	0.80	0.75
3D Tiles with AAB 35-25	T1012-5	0.25	0.60	0.95	1.05	1.00	0.90	0.90

PRODUCT SPECIFICATIONS

Product Name	3D Ceiling Tiles S-5.26
Composition	100% Polyester Fibre (PET)
Tile Dimensions	595mm x 595mm
Tile Tolerance	(+0.5mm) (+0.5mm)
Depth	83mm
Depth Tolerance	(+0.5mm)
Weight	1680 GSM
Required	600mm x 600mm with 24mm Tee
Grid Size	

INSTALLATION

Designed to fit a 600mm x 600mm grid with a 24mm Tee. Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

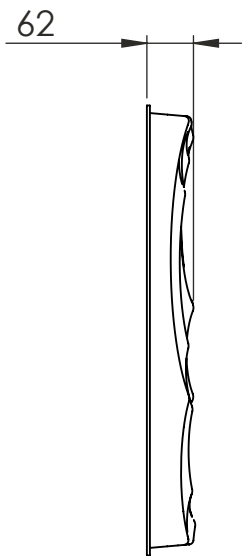
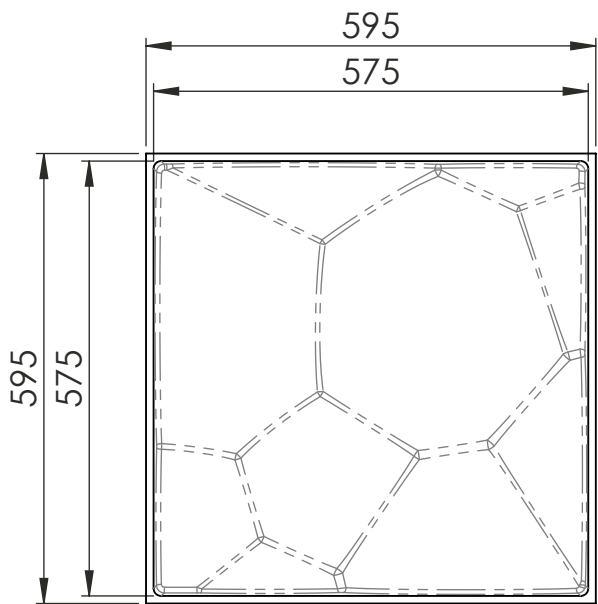
3D Ceiling Tiles S-5.26 are specifically designed to reduce and control reverberated noise (echo) in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to www.autexindustries.com/greenstuf/greenstuf-aab.

LIGHT REFLECTANCE VALUES

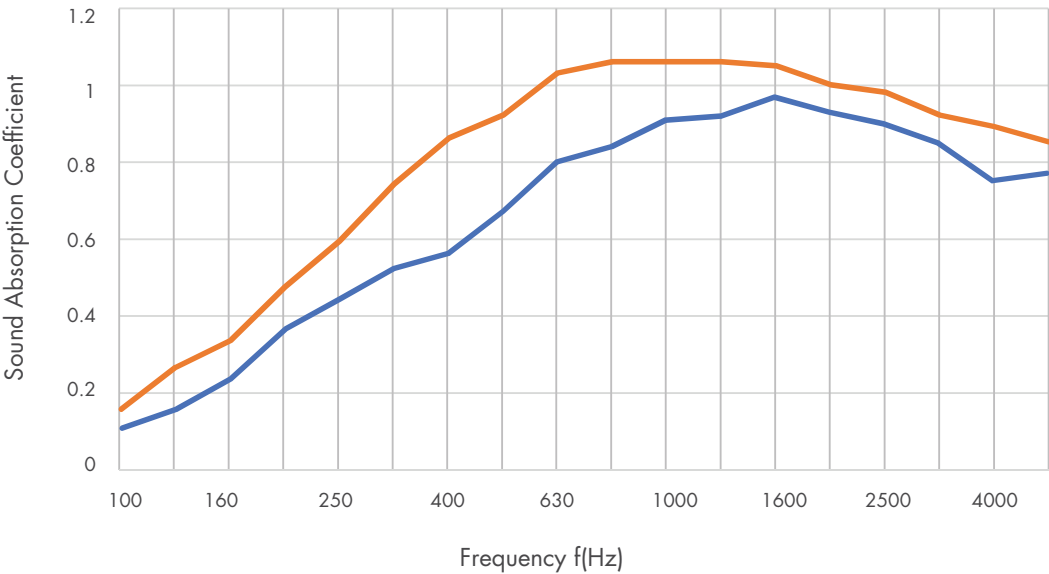
Civic	57	Avocado	11
Silver	23	Blush	10
Porcelain	22	Blazing Red	8
Fawn	20	Bark	5
Granny Smith	20	Stately	3
Stonewash	19	Charcoal	3
Brilliant Orange	15	Noir	1
Electric Blue	12		

MEASURED IN ACCORDANCE WITH BS 8493:2008+A1:2010

S-5.28 DESIGN



ABSORPTION COEFFICIENT ACCORDING TO ISO 354



The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
3D Tiles without AAB 35-25	T1012-3	0.15	0.45	0.65	0.90	0.90	0.80	0.75
3D Tiles with AAB 35-25	T1012-5	0.25	0.60	0.95	1.05	1.00	0.90	0.90

PRODUCT SPECIFICATIONS

Product Name	3D Ceiling Tiles S-5.28
Composition	100% Polyester Fibre (PET)
Tile Dimensions	595mm x 595mm
Tile Tolerance	(+0.5mm) (+0.5mm)
Depth	62mm
Depth Tolerance	(+0.5mm)
Weight	1680 GSM
Required	600mm x 600mm with 24mm Tee
Grid Size	

INSTALLATION

Designed to fit a 600mm x 600mm grid with a 24mm Tee.
Install as per Autex recommendations.
Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

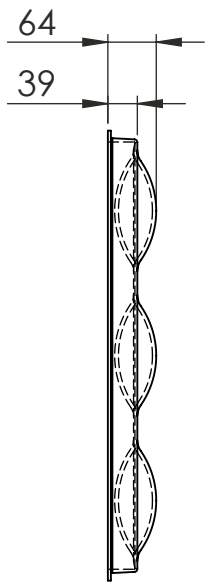
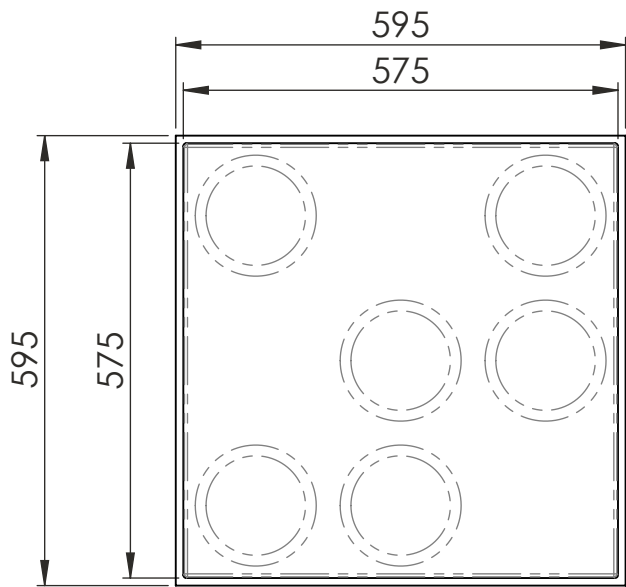
3D Ceiling Tiles S-5.28 are specifically designed to reduce and control reverberated noise (echo) in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to www.autexindustries.com/greenstuf/greenstuf-aab.

LIGHT REFLECTANCE VALUES

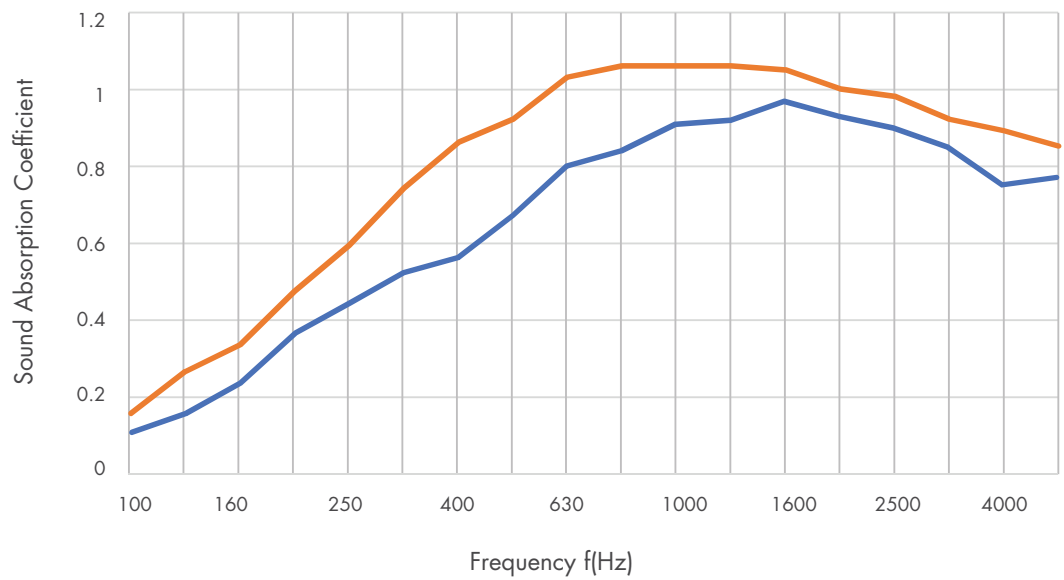
Civic	57
Silver	23
Porcelain	22
Fawn	20
Granny Smith	20
Stonewash	19
Brilliant Orange	15
Electric Blue	12

Avocado	11
Blush	10
Blazing Red	8
Bark	5
Stately	3
Charcoal	3
Noir	1

S-5.34 DESIGN



ABSORPTION COEFFICIENT ACCORDING TO ISO 354



The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
3D Tiles without AAB 35-25	T1012-3	0.15	0.40	0.45	0.65	0.90	0.80	0.75
3D Tiles with AAB 35-25	T1012-5	0.25	0.60	0.95	1.05	1.00	0.90	0.90

PRODUCT SPECIFICATIONS

Product Name	3D Ceiling Tiles S-5.34
Composition	100% Polyester Fibre (PET)
Tile Dimensions	595mm x 595mm
Tile Tolerance	(+0.5mm) (+0.5mm)
Depth	64mm
Depth Tolerance	(+0.5mm)
Weight	1680 GSM
Required Grid Size	600mm x 600mm with 24mm Tee

INSTALLATION

Designed to fit a 600mm x 600mm grid with a 24mm Tee. Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

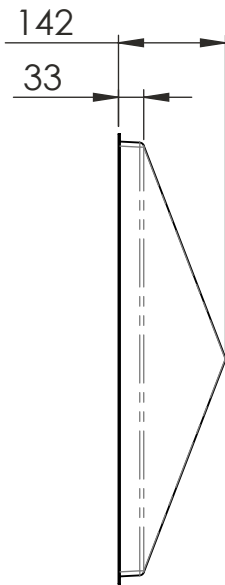
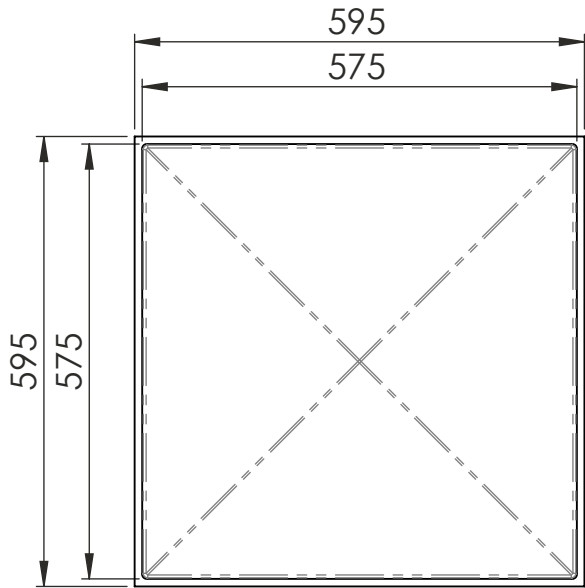
3D Ceiling Tiles S-5.34 are specifically designed to reduce and control reverberated noise (echo) in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to www.autexindustries.com/greenstuf/greenstuf-aab.

LIGHT REFLECTANCE VALUES

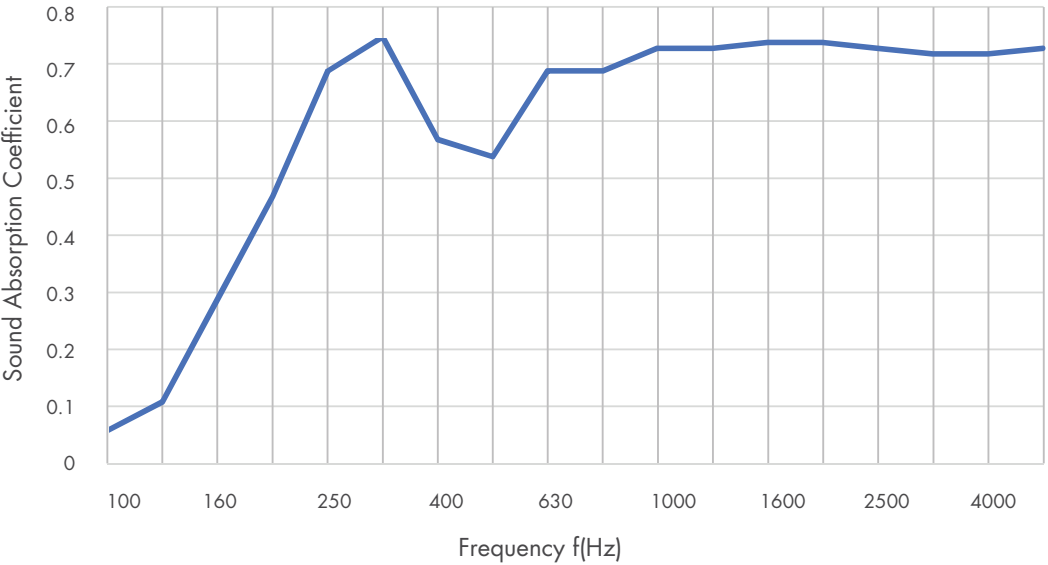
Civic	57
Silver	23
Porcelain	22
Fawn	20
Granny Smith	20
Stonewash	19
Brilliant Orange	15
Electric Blue	12

Avocado	11
Blush	10
Blazing Red	8
Bark	5
Stately	3
Charcoal	3
Noir	1

S-5.37 DESIGN



ABSORPTION COEFFICIENT ACCORDING TO ISO 354



The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
3D Ceiling Tiles S-5.37 142mm	T1316-4	0.15	0.65	0.60	0.70	0.75	0.70	0.65

*These designs don't typically support the AAB application.

PRODUCT SPECIFICATIONS

Product Name	3D Ceiling Tiles S-5.37
Composition	100% Polyester Fibre (PET)
Tile Dimensions	595mm x 595mm
Tile Tolerance	(+0.5mm) (+0.5mm)
Depth	142mm
Depth Tolerance	(+0.5mm)
Weight	1680 GSM
Required Grid Size	600mm x 600mm with 24mm Tee

INSTALLATION

Designed to fit a 600mm x 600mm grid with a 24mm Tee.
Install as per Autex recommendations.
Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

3D Ceiling Tiles S-5.37 are specifically designed to reduce and control reverberated noise (echo) in building interiors.

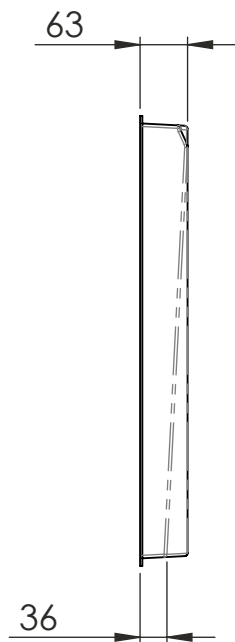
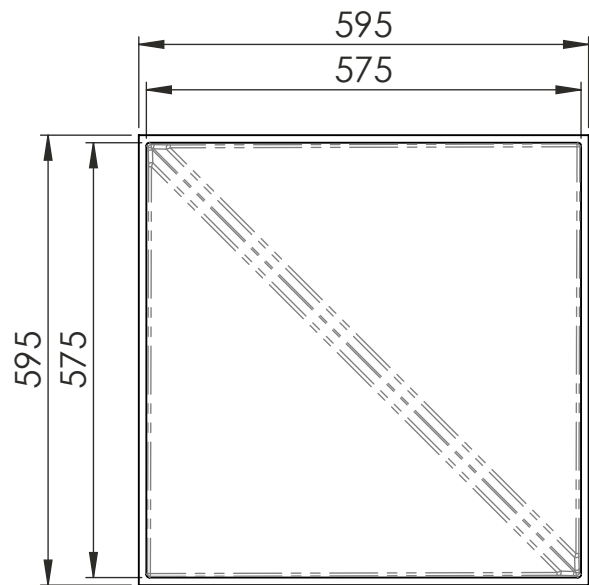
LIGHT REFLECTANCE VALUES

Civic	57
Silver	23
Porcelain	22
Fawn	20
Granny Smith	20
Stonewash	19
Brilliant Orange	15
Electric Blue	12

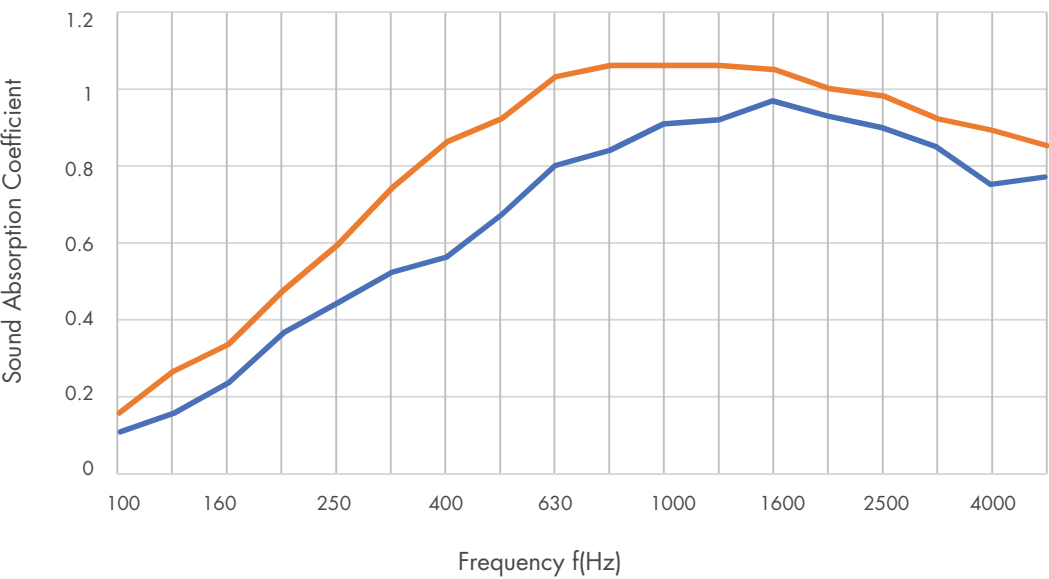
Avocado	11
Blush	10
Blazing Red	8
Bark	5
Stately	3
Charcoal	3
Noir	1

MEASURED IN ACCORDANCE WITH BS 8493:2008+A1:2010

S-5.53 DESIGN



ABSORPTION COEFFICIENT ACCORDING TO ISO 354



The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
3D Ceiling Tiles without AAB 35-25	T1012-3	0.15	0.45	0.65	0.90	0.90	0.80	0.75
3D Ceiling Tiles with AAB 35-25	T1012-5	0.25	0.60	0.95	1.05	1.00	0.90	0.90

PRODUCT SPECIFICATIONS

Product Name	3D Ceiling Tiles S-5.53
Composition	100% Polyester Fibre (PET)
Tile Dimensions	595mm x 595mm
Tile Tolerance	(+0.5mm) (+0.5mm)
Depth	63mm
Depth Tolerance	(+0.5mm)
Weight	1680 GSM
Required Grid Size	600mm x 600mm with 24mm Tee

INSTALLATION

Designed to fit a 600mm x 600mm grid with a 24mm Tee. Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

3D Ceiling Tiles S-5.53 are specifically designed to reduce and control reverberated noise (echo) in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to www.autexindustries.com/greenstuf/greenstuf-aab.

LIGHT REFLECTANCE VALUES

Civic	57
Silver	23
Porcelain	22
Fawn	20
Granny Smith	20
Stonewash	19
Brilliant Orange	15
Electric Blue	12

Avocado	11
Blush	10
Blazing Red	8
Bark	5
Stately	3
Charcoal	3
Noir	1

MEASURED IN ACCORDANCE WITH BS 8493:2008+A1:2010

 **3D CEILING TILES**
DESIGN: S-5.26
COLOUR: CIVIC, SILVER AND
BRILLIANT ORANGE

FOR ADDED EFFECT

With 3D Tile mounting clips, you can create a unique feature for your commercial ceiling.



FIRE RATINGS

3D Ceiling Tiles is a value-added product made from Autex Workstation as the base material. Workstation has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
Smoke Production Rate: <5.0m²/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGRARC): <100m²/s²
Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4
FAR 4055

EN13501-1:2007 (6mm Workstation)
B - s1, d2

Report WF 336913 dated 19th March 2014

ASTM E-84-14

Class A, FS:0 - SD:10
Report RJ3297-10 dated 13th June 2014

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product. VOC concentration: 0.009 mg/m³ (7 days).

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour absorbed and adsorbed after 4 days: 0.4% by weight.

MICROBIAL RESISTANCE

ASTM G21-15

Growth Rating: 0 (No growth)

3D Ceiling Tiles do not promote the growth of moulds and mildew.

COLOUR FASTNESS TO LIGHT

3D Ceiling Tiles are suitable for indoor use only. Lightfastness is dependent on use and exposure. 3D Ceiling Tiles have been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

COLOUR 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 the product has a directional grain. Product may vary from samples and batch to batch due to fibre 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 using 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 the solution.

Custom printed Workstation requires the services of a specialist cleaning company. Refer to the 3D Ceiling Tiles Care and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

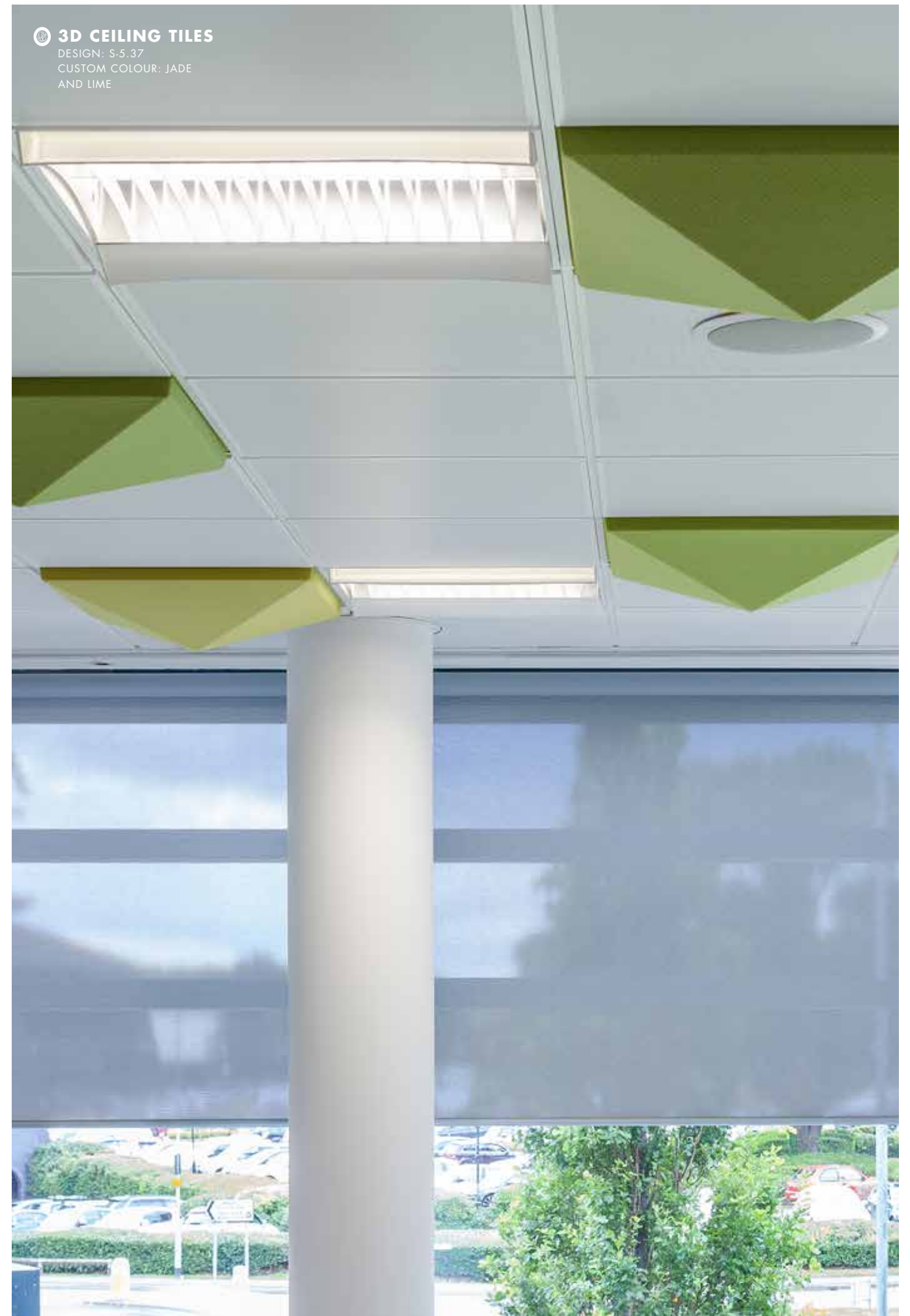
Autex 3D Ceiling Tiles contain a minimum of 55% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Autex 3D Ceiling Tiles are manufactured from 100% polyester fibres and do not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

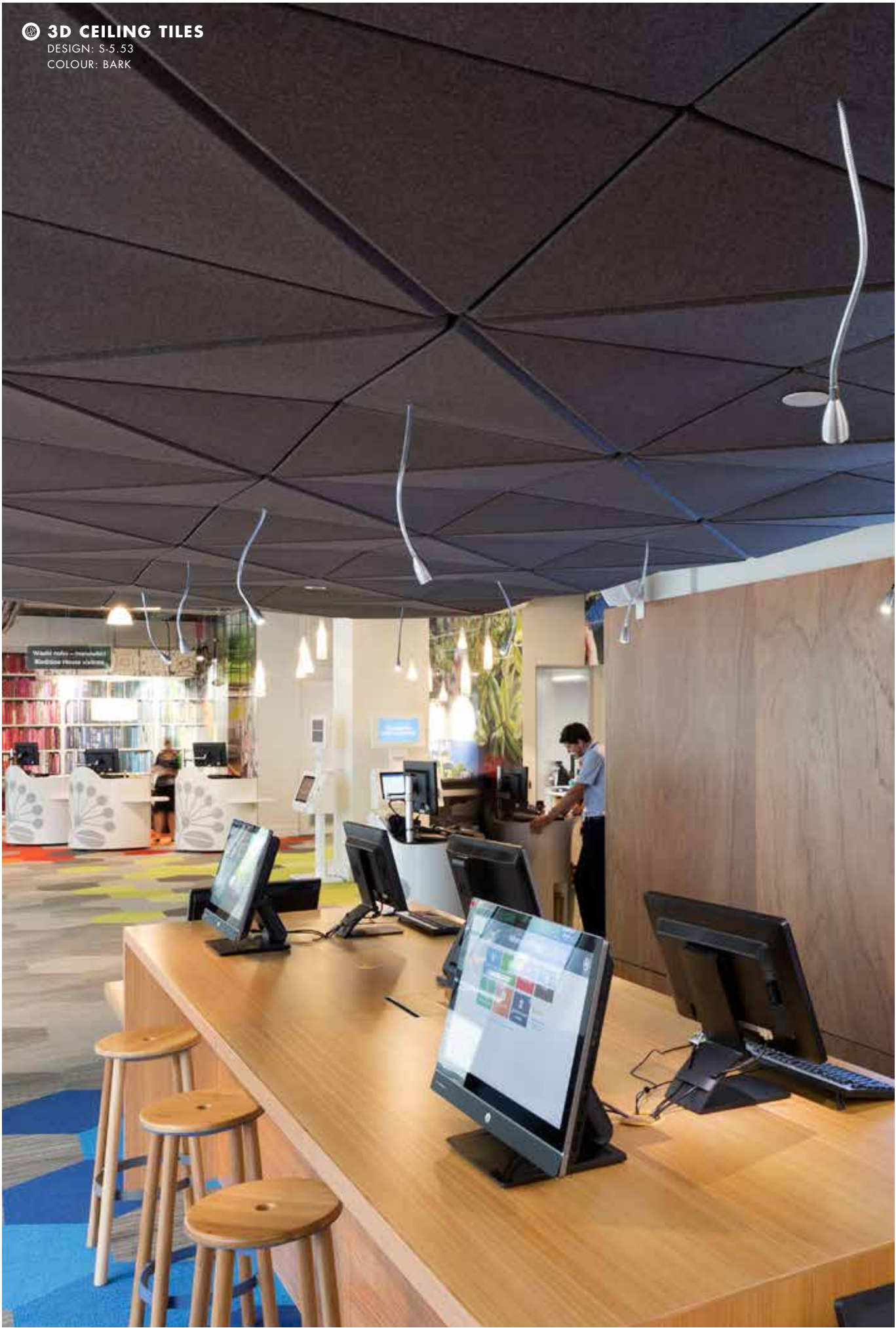
SERVICE

For further information about 3D Ceiling Tiles, Workstation or any other Autex product, please contact your Autex account manager or visit our website.

 **3D CEILING TILES**
DESIGN: S-5.37
CUSTOM COLOUR: JADE
AND LIME



3D CEILING TILES
DESIGN: S-5.53
COLOUR: BARK



3D CEILING TILES COLOUR OPTIONS

BLAZING RED	BRILLIANT ORANGE	GRANNY SMITH
ELECTRIC BLUE	STONEWASH	AVOCADO
BLUSH	PORCELAIN	STATELY
FAWN	BARK	CHARCOAL
CIVIC	SILVER	NOIR

MOQ's apply to some colours, custom colour available on request.
To find out more, or to order a sample, please contact your account
manager or visit our website.



INTERIOR ACOUSTICS
ACCENT TILES
DATASHEET

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ACCENT CEILING TILE

Make a defining statement with Accent Ceiling Tiles, your creative approach to dynamic suspended ceilings that control reverberated sound whilst adding life to your office, school or commercial interior.

Developed with two functional sides for creative flexibility; Accent Ceiling Tiles have the added benefit of a smooth, classic white face combined with one of the exciting range of Autex Cube™ colours. Gain creative control over your ceiling space with the ability to mix-and-match colours to complement your environment.

Lightweight, easy and safe; Accent Ceiling Tiles are designed to fit into standard grid systems and comply to typical loading standards. Because these durable ceiling tiles are made from 100% polyester, they will not chip, crack or break, resulting in no wastage whilst installing.

APPLICATIONS

- Offices, call centres and schools; especially open-plan areas
- Boardrooms and conference rooms
- Halls and auditoriums
- Libraries and administration buildings
- Retail stores and showrooms

SPECIFICATION:

(Ceiling) treatment shall be Accent Ceiling Tiles from thermally bonded polyester containing not less than 45% recycled material as manufactured by Autex.

www.autexindustries.com

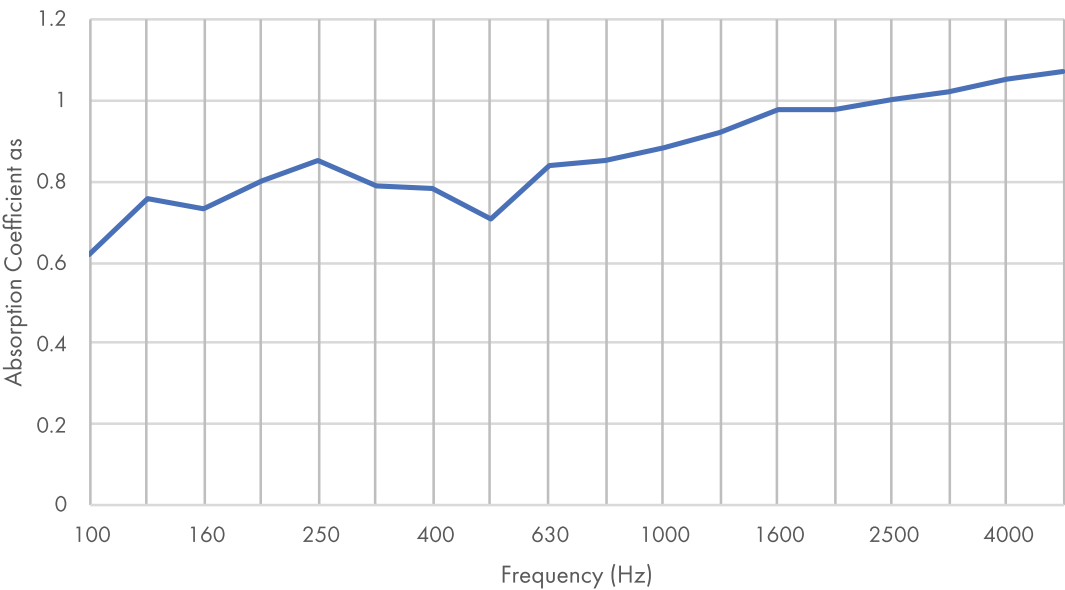
Tile 595mm x 1195mm x 13mm depth, 23.4 x 47.0" x 1/2" depth, Colour () Suspended Square Edge, Sound absorption: Class A, NRC 0.85.

Fire rating ISO9705: Classification: Group 1-S, AS ISO 9705 – 2003: Group 1, EN13501-1:2007+A1:2009: B – s2, d2, ASTM E-84: Class A, FS:0 - SD:10.

Install as per Autex recommendations. If Accent Ceiling Tiles are to be specified for use other than as a ceiling tile, please seek guidance from your Autex Account Manager.



ABSORPTION COEFFICIENT ACCORDING TO ISO 354.



Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
Accent Ceiling Tiles 13mm 400mm Airgap	T1632-2	0.70	0.80	0.80	0.90	1.00	1.05	0.85

Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

PRODUCT SPECIFICATIONS

Product Name	Accent Ceiling Tiles
Composition	100% Polyester Fibre (PET)
Panel Dimensions	595 x 1195mm
Tolerance	(+/-2mm) (-5mm)
Thickness	13mm
Tolerance	(+/-6%)
Weight	3100gsm

INSTALLATION

Install as per Autex recommendations.
Install instructions are included in each pack or available on the website.

ACOUSTIC PERFORMANCE

Accent Ceiling Tiles is specifically designed to reduce and control reverberated noise (echo) in building interiors.

LIGHT REFLECTANCE VALUES BY COLOUR

LRVs were measured in accordance with BS 8493:2008+A1:2010

Pavilion	78
Opera	49
Savoye	47
Senado	45
Rosada	45
Acros	42
Falling Water	36
Bosco	29
Flatiron	25

Zenith	22
Lotus	16
Galaxy	16
Iron Bank	13
Pinnacle	8
Empire	6
Tree House	3
Petronas	2



FIRE RATINGS

ISO 9705: 1993

Classification: Group 1-S
Smoke Production Rate: $<5.0\text{m}^2/\text{s}$
As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGRARC): $<100\text{m}^2/\text{s}^2$
Assessed using methodology AS ISO 9705 - 2003
in accordance with AS 5637.1:2015, as required
by BCA Specification C1.10-4
FAR 4055-2 dated 8th October, 2013

EN13501-1:2007+A1: 2009

B - s2, d2
Report WF 336911 dated 25th February, 2014

ASTM E-84-14

Class A, FS:0 - SD:10
R3297-10R1 - 17th March, 2015

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.
VOC concentration: $0.009\text{mg}/\text{m}^3$ (7 days).

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a

Test conditions: 49°C , 95%RH

Water vapour absorbed and adsorbed after 4 days: 0.4% by weight.

IMPACT RESISTANCE

ISO 7892:1988

HARD BODY IMPACT

There is no surface damage or penetration to Accent Ceiling Tiles when subjected to hard body impacts. When adhered to 10mm plasterboard, the system can resist a 9-joule impact. This is equivalent to the impact of a 0.5kg object dropped from a 2m height. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5kg object dropped from a 0.5-m height.

SOFT BODY IMPACT

There is no surface damage or penetration to Accent Ceiling Tiles when subjected to soft body impacts. When adhered to 10mm plasterboard, the system can resist a 70-joule impact. This is equivalent to the impact of a 50kg object dropped from a 150mm height.

MICROBIAL RESISTANCE

ASTM G21-15

Growth Rating: 0 (No growth)

Accent Ceiling Tiles does not promote the growth of moulds and mildew.

COLOUR FASTNESS TO LIGHT

Accent Ceiling Tiles is suitable for indoor use only. Light fastness is dependent on use and exposure. Accent Ceiling Tiles has been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

COLOUR 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 fibre 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 Accent Ceiling Tiles requires the services of a specialist cleaning company. Refer to the Accent Ceiling Tiles Cleaning and Maintenance Guide for more information.

BACK LOADING

None. All loads to be independently supported or transferred to the grid. For questions and concerns please contact your Autex account manager.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Autex Accent Ceiling Tiles contains a minimum of 45% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Uncontaminated Accent Ceiling Tiles can be recycled.

Autex Accent Ceiling Tiles is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

Independently certified by Declare (Red List Free) and Product HealthDeclaration (Platinum level).

SERVICE

For further information about Accent Ceiling Tiles or any other Autex product, please contact your Autex account manager or visit our website.



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COLOUR OPTIONS

IRONBANK	ZENITH	SENADO
ROSADA	OPERA	ACROS
TREE HOUSE	LOTUS	BOSCO
PINNACLE	GALAXY	FALLING WATER
EMPIRE	FLATIRON	SAVOYE
PETRONAS	PAVILION	

MOQ's apply to some colours. To find out more, or to order a sample, please contact your Account Manager or visit our website.



CARING FOR THE ENVIRONMENT

Cascade™ is manufactured using 100% polyester fibre and contains a minimum of 45% recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We use Life Cycle Analysis (LCA) to understand the environmental impacts of our products and set targets to reduce these. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ). We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate level A, LCARate Gold and PHD evel platinum certified.

Cascade™ is made from Cube™ which is Declare_{sm} certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance it's environmental performance and contribute to sustainable development.



Declare.



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