

























**Product
overview**

Loch™ is a simple, slide-on acoustic desk divider made from 100% polyester fiber. Lightweight and semi-rigid, Loch is designed to slide on and off standard desks without additional fixings.

Color options

	Falling Water		Rosada		Beehive
	Galaxy		Opera		Parthenon
	Pinnacle		Senado		Sargazo
	Petronas		Acros		
	Empire		Bosco		
	Flatiron		Lotus		
	Savoye		Tree House		
	Pavilion		Gherkin		
	Ironbank		Muralla		
	Zenith		Cavalier		

Product specifications

Product name	Loch™
Composition	100% polyester fiber (PET)
Thickness	1"
Tolerance	(+/- 6%)
Weight	12 oz/ft ²

Installation

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

	Product dimensions	Depth on desk
Classic	31.5" x 21.2"	27.4"
Bevel	31.5" x 21.2"	27.4"
Arc	31.2" x 21.1"	26.6"



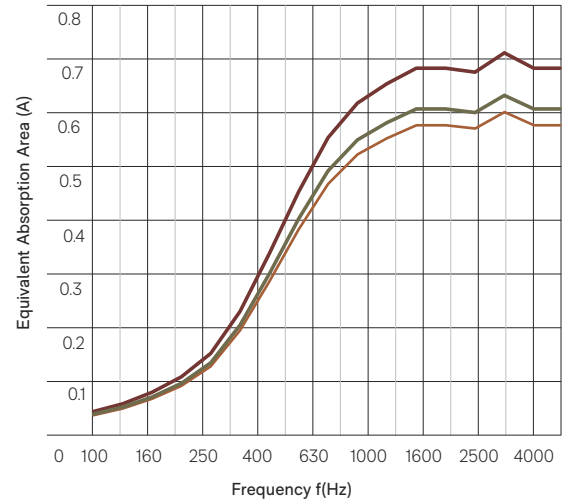
Acoustic Performance

Loch™ is specifically designed to reduce and control reverberated and echo noise in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	Metric sabine per unit
● Loch Classic 1"	0.10	0.20	0.50	0.70	0.70	0.70	0.50
● Loch Bevel 1"	0.10	0.20	0.40	0.60	0.60	0.60	0.40
● Loch Arc 1"	0.10	0.20	0.40	0.60	0.60	0.60	0.45

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.

Absorption Coefficient ACCORDING TO ISO 354



Product specifications

Fire ratings

Loch 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/V/M2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGR_{ARC}): <100m²/s²

Assessed 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

Classification: B-s₂d₀
(Cube™ 1/2")

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-20-000268-A

ASTM E-84-14

Class A, FS:0 - SD:45
R14479-2

VOC emissions

Autex Acoustics 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 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)
Loch does not promote the growth of molds and mildew.

Color fastness to light

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

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 Loch requires the services of a specialist cleaning company. Refer to the Loch Care and Maintenance Guide for more information.

Environmental

Autex Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

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

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



Light reflectance values by color

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

Pavilion	80	Galaxy	15
Opera	49	Lotus	14
Savoye	46	Ironbank	13
Senado	45	Cavalier	12
Rosada	44	Muralla	9
Acros	40	Gherkin	8
Falling Water	34	Empire	5
Parthenon	33	Sargazo	4
Beehive	33	Pinnacle	3
Bosco	29	Tree House	3
Flatiron	24	Petronas	2
Zenith	23		

Caring for the environment

Loch is manufactured using 100% polyester fiber and contains a minimum of 60% recycled fiber (from PET plastics). Our products are designed to be recycled at the end of their life too.

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, Health Product Declaration (HPD), and CDHP Standard certified.

Loch is made from Cube which is DeclareSM 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 our environmental performance and contribute to sustainable development.



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