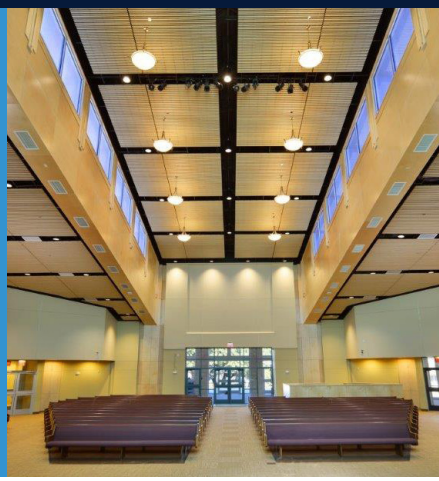
TIMBER VENEERED ACOUSTIC PANELS

SALEX ACOUSTICS

Salex Acoustics timber veneered acoustic panels are manufactured by using only the finest real wood veneers. With a range that includes some 40 plus standard species, wood veneer offers you an extensive choice when considering a natural product finish. Wood panels are ideal for the use in auditoriums, conference centres, restaurants, theatres and universities. Absorption is achieved by sound passing through holes, perforations or grooves giving NRC figures between 0.65 to 0.85 using a 67mm height system. All of our panels have undergone extensive testing and certification can be provided upon request.



PRODUCT SPECIFICATION

SALEX PERFORATED CEILING PANELS

A suspended ceiling system that enriches a building's interior by using a natural product. Panels can be supplied using visible, concealed or semi concealed hanging systems. Accuracy of sizing and an even finish ensures all of the range can be removed and returned without causing any damage.

Three types of installation:

Basic:	Suitable for a drop in grid system using a T-15mm or T-24mm profile
Semi:	A spring loaded semi concealed system offering easy access to the area above
Full:	A fully concealed fixing system

Further details can be provided upon request

PRODUCT SPECIFICATION

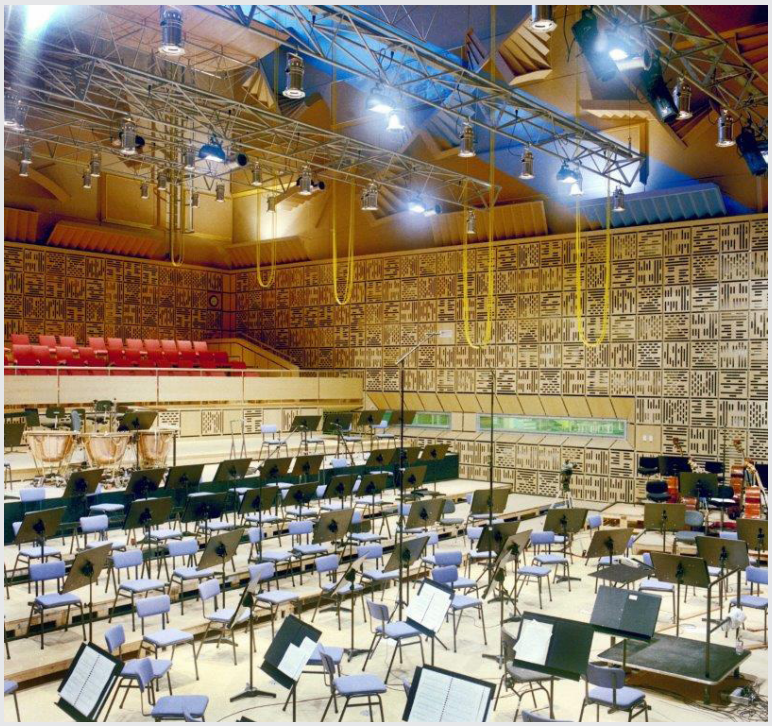
SALEX PERFORATED WALL PANELS

Two types of installation:

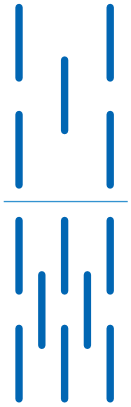
Standard: Veneered edges and shadow gaps connected by screw clips and cover strips

Butted: A butted joint system whereby only the bevelled edges are visible

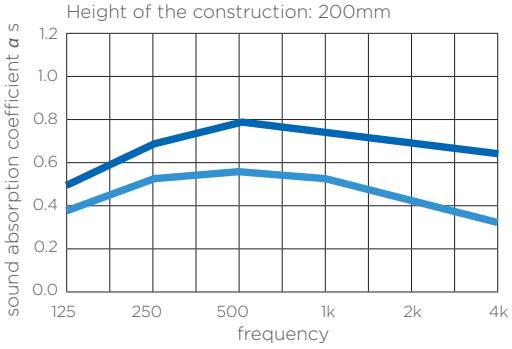
Further details can be provided upon request



TECHNICAL DATA

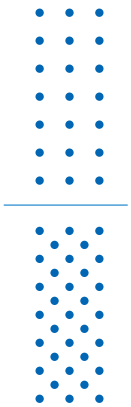


Irregular slots, width 7mm, length 97mm, c-t-c 48mm; 10.7% perforation rate
Irregular slots, width 7mm, length 97mm, c-t-c 48mm; 21.4% perforation rate
Height of the construction: 200mm

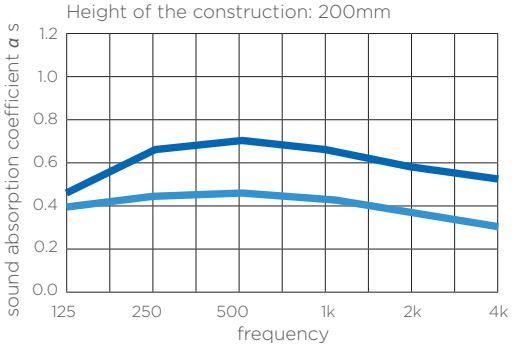


α (ISO11654)	**0.75**	**0.50**
NRC (ASTM-C423)	**0.75**	**0.50**
Distance mm	**24**	**48**
125	0.48	0.38
250	0.69	0.52
500	0.78	0.56
1k	0.75	0.51
2k	0.70	0.43
4k	0.64	0.34

Values 1/1 octave



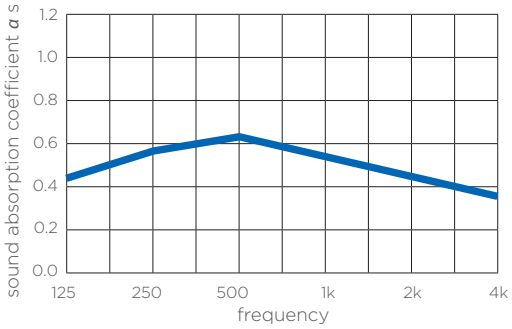
Regular perforation Ø 9mm: c-t-c 32mm; 6.2% perforation rate
Irregular perforation Ø 9mm: c-t-c 32/16mm; 12.4% perforation rate
Height of the construction: 200mm



α (ISO11654)	**0.40**	**0.60**
NRC (ASTM-C423)	**0.45**	**0.65**
Frequency	**Ø9**	**Ø9**
125	0.39	0.47
250	0.45	0.64
500	0.47	0.70
1k	0.43	0.66
2k	0.36	0.57
4k	0.31	0.52

Values 1/1 octave

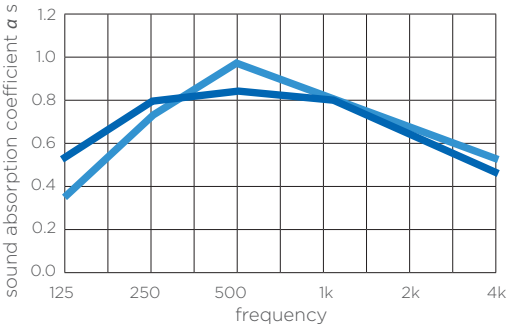
Regular slots, width 7mm, length 97mm, c-t-c 48mm; 10.7% perforation rate
Height of the construction: 200mm



α (ISO11654)	0.50
NRC (ASTM-C423)	**0.55**
Frequency	
125	0.44
250	0.58
500	0.63
1k	0.55
2k	0.44
4k	0.36

Values 1/1 octave

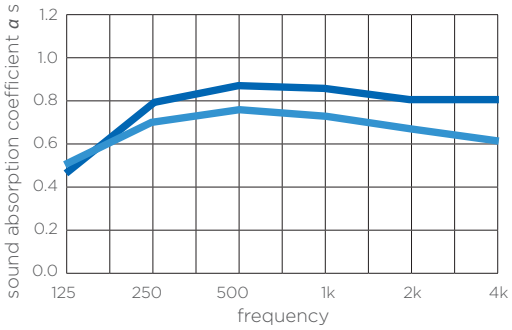
Regular perforation viewside Ø5mm,
reverse side Ø 9mm, c-t-c 16mm; 7.7% perforation rate
Height of the construction: 67mm and 200mm



α (ISO11654)	0.65	0.65
NRC (ASTM-C423)	**0.80**	**0.80**
Height mm	**67**	**200**
125	0.34	0.52
250	0.74	0.78
500	0.97	0.85
1k	0.81	0.80
2k	0.65	0.66
4k	0.51	0.45

Values 1/1 octave

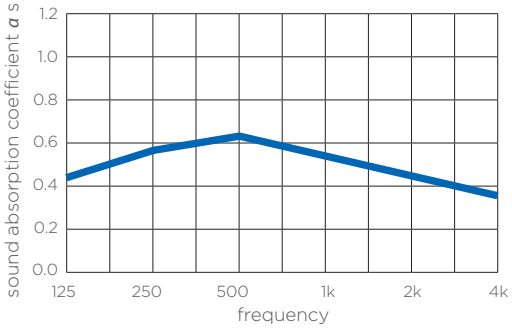
Regular perforation Ø 7mm: c-t-c 16mm; 15.0% perforation rate
Irregular perforation Ø 9mm: c-t-c 16mm; 24.9% perforation rate
Height of the construction: 200mm



α (ISO11654)	0.70	0.90
NRC (ASTM-C423)	**0.70**	**0.85**
Diameter	**Ø7**	**Ø9**
125	0.52	0.48
250	0.70	0.80
500	0.77	0.89
1k	0.74	0.87
2k	0.67	0.83
4k	0.62	0.81

Values 1/1 octave

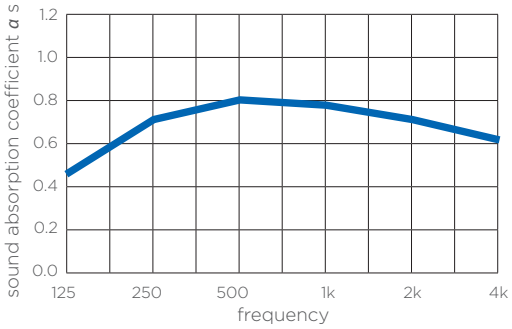
Regular slots, width 7mm, length 97mm, c-t-c 32mm; 16.1% perforation rate
Height of the construction: 200mm



α (ISO11654)	0.65
NRC (ASTM-C423)	**0.65**
Frequency	
125	0.46
250	0.67
500	0.73
1k	0.68
2k	0.60
4k	0.52

Values 1/1 octave

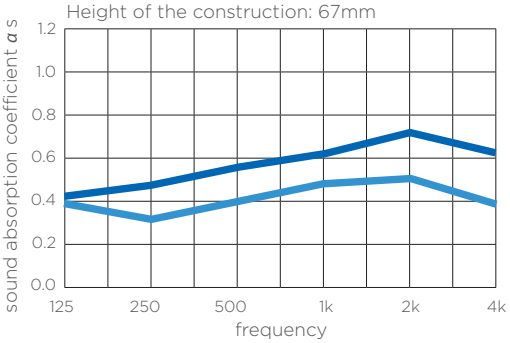
Regular slots, width 7mm, length 97mm, c-t-c 24mm; 21.4% perforation rate
Height of the construction: 200mm



α (ISO11654)	**0.75**
NRC (ASTM-C423)	**0.75**
Frequency	
125	0.47
250	0.72
500	0.81
1k	0.78
2k	0.72
4k	0.62

Values 1/1 octave

Regular micro-perforation Ø 1.5mm, c-t-c 5mm; 7.1% perforation rate
Irregular micro-perforation Ø 1.5mm, c-t-c 5/2.5mm; 14.1% perforation rate
Height of the construction: 67mm



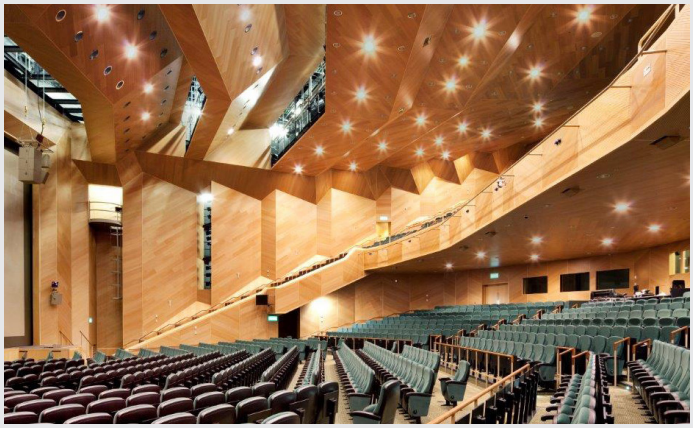
α (ISO11654)	**0.50**	**0.60**
NRC (ASTM-C423)	**0.45**	**0.60**
Frequency	**Ø1.5**	**Ø1.5**
125	0.39	0.44
250	0.32	0.48
500	0.40	0.55
1k	0.49	0.62
2k	0.51	0.72
4k	0.39	0.62

Values 1/1 octave

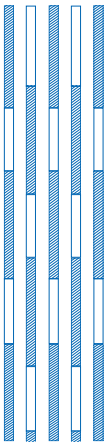
PRODUCT SPECIFICATION

SALEX GROOVED WALL PANELS

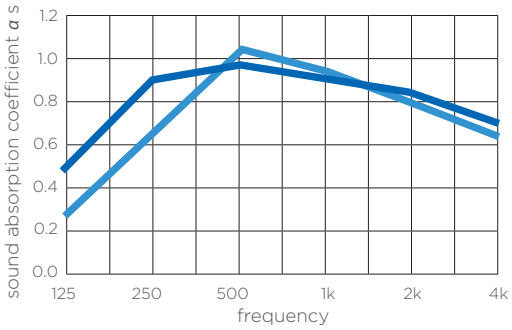
Our tongue and groove veneered panels are ideal in creating an up market appearance wherever they are installed. Each panel is finished with a decorative groove pattern on the visible side and a groove/perforation pattern on the reverse. Sound absorption is again achieved by the use of holes, grooves and slots allowing sound to pass through an acoustic membrane and into a glass fibre.



TECHNICAL DATA

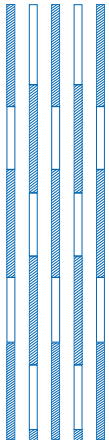


Salex Grooved panel type TLS 5/3, groove-width 3mm, c-t-c 8.0mm;
16.1% perforation rate
Height of the construction: 67mm and 200mm

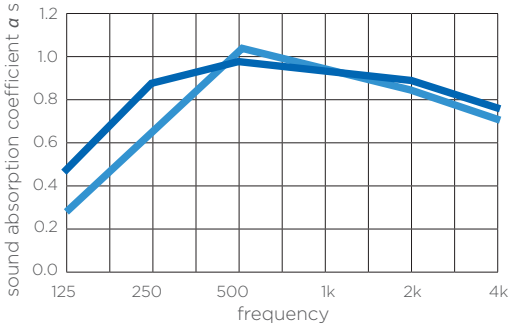


α (ISO11654)	**0.80**	**0.85**
NRC (ASTM-C423)	**0.85**	**0.90**
Height mm	**67**	**200**
125	0.27	0.48
250	0.67	0.89
500	1.03	0.97
1k	0.94	0.92
2k	0.79	0.84
4k	0.64	0.69

Values 1/1 octave

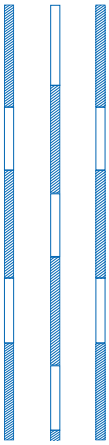


Salex Grooved panel type TLS 6/2, groove-width 2mm, c-t-c 8.0mm; 14.3% perforation rate
Height of the construction: 67mm and 200mm

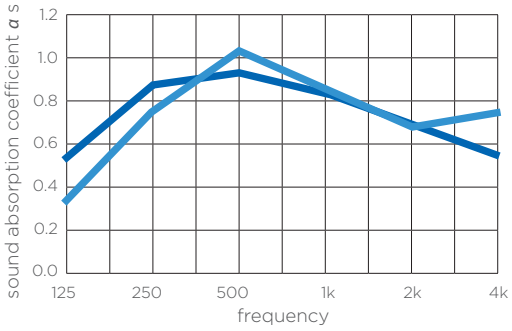


α (ISO11654)	**0.85**	**0.90**
NRC (ASTM-C423)	**0.90**	**0.95**
Height mm	**67**	**200**
125	0.26	0.46
250	0.67	0.87
500	1.01	0.97
1k	0.94	0.93
2k	0.86	0.89
4k	0.72	0.75

Values 1/1 octave

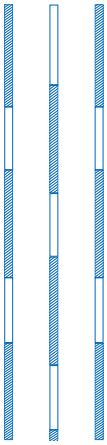


Salex Grooved panel type TLS 13/3, groove-width 3mm, c-t-c 16.0mm;
10.7% perforation rate
Height of the construction: 67mm and 200mm

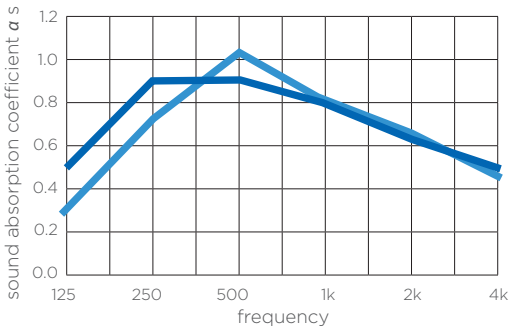


α (ISO11654)	**0.80**	**0.70**
NRC (ASTM-C423)	**0.85**	**0.85**
Height mm	**67**	**200**
125	0.31	0.50
250	0.74	0.87
500	1.02	0.91
1k	0.85	0.83
2k	0.69	0.69
4k	0.74	0.55

Values 1/1 octave

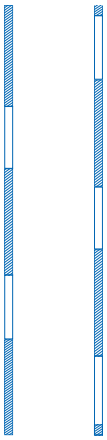


Salex Grooved panel type TLS 14/2, groove-width 2mm, c-t-c 16.0mm;
7.1% perforation rate
Height of the construction: 67mm and 200mm

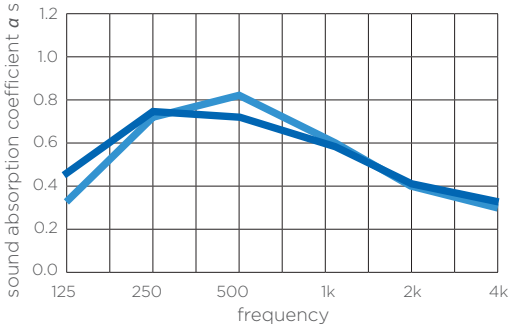


α (ISO11654)	**0.60**	**0.65**
NRC (ASTM-C423)	**0.75**	**0.80**
Height mm	**67**	**200**
125	0.30	0.48
250	0.71	0.87
500	1.00	0.88
1k	0.78	0.78
2k	0.56	0.61
4k	0.44	0.49

Values 1/1 octave



Salex Grooved panel type TLS 28/4, groove-width 4mm, c-t-c 32.0mm;
7.1% perforation rate
Height of the construction: 67mm and 200mm



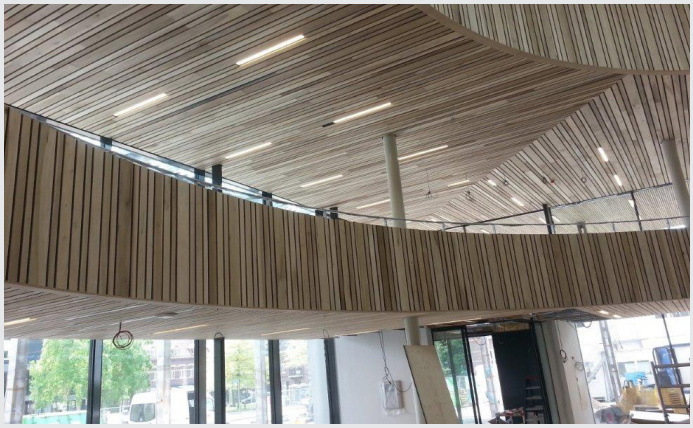
α (ISO11654)	**0.60**	**0.65**
NRC (ASTM-C423)	**0.75**	**0.80**
Height mm	**67**	**200**
125	0.30	0.48
250	0.71	0.87
500	1.00	0.88
1k	0.78	0.78
2k	0.56	0.61
4k	0.44	0.49

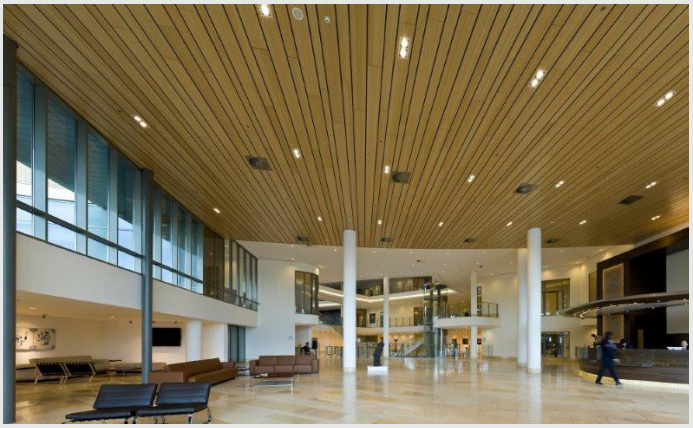
Values 1/1 octave

PRODUCT SPECIFICATION

SALEX LINEAR PANELS

Applicable as wall cladding and ceiling panels. Available in solid wood, rustic European pinewood and bamboo. Laminated wood available with the front side in veneer, melamine (wood) decor or a RAL/NCS colour to finish. Linear panels come with modern straight-edge finish or a classic round-edge finish. Solid wood is felling length, standard laminated wood length is 2050mm and 2780 mm - other lengths on request. The width of the panels can be adjusted according to the project. The minimum width with finished edges is 65mm. Popular widths are 65mm, 95mm, 115mm and 140mm. Mounting via screw clips on a plywood batten, pivot clips on omega profiles or T-24 ceiling profiles. The interspaces after installation are 5mm, 10mm, 15mm, 20mm or 30mm.





PRODUCT SPECIFICATION

READY TO INSTALL GRILL ELEMENTS

Elements are available in 3 styles:

Model 1 consists of slats linked by a 12mm black aluminium rail which is then connected to a black T-24 profile via a metal clip. Suitable for ceilings that have to be dismantled sporadically.

Model 2 consists of routed slats which are glued and stapled to routed plywood crossbars. The element is then screwed to a wooden or metal batten. Suitable for walls and ceilings. Due to the screw mechanism each panel can be removed individually. Many finishes are possible and this style is particularly suited for schools or gyms.

Model 3 is intended for mounting on suspended ceilings using black T-24 or T-35 mm profiles in sections of 600 x 600 mm or 1200 x 600 mm. The ready-made elements can be mounted from below and each element is removable.