FABRIC WRAPPED ACOUSTIC PANELS

SALEX ACOUSTICS

Salex Acoustics fabric wrapped panels are constructed using a speciality glass fibre with a density of 95kgs/m³, optimal for sound absorption and extensive resistance to fire. Applications include ceiling and wall mounted acoustic panels, baffles and clouds. All of our Class "A" panels are made to order and finished with hardened edges. This ensures no loss of shape over time and removes the risk of damage during transport and installation.

PRODUCT SPECIFICATION

SALEX ACOUSTICS AP ACOUSTIC ABSORPTION PANEL

Density:	95kgs/m³
Thickness:	25mm & 50mm
Standard Module Size:	1200x2400 or 1200x3000
Edges:	Resin hardened, shaped if required.
Concealed Clips:	Resin mounted clip fix system.
Fabric Finish:	Heritage Textiles Berwick & City Lights together with Guilford of Maine FR701 & Anchorage fabrics are our standard range. However, any acoustically transparent fabric following approval by the factory can be used at extra cost.
Application:	All Locations.
Typical applications:	Theatres, home cinema, schools, sound studios, restaurants, plus many more.

SALEX ACOUSTICS HIR ACOUSTIC ABSORPTION PANEL

Density:	95kgs/m³ + HIR Layer 216kgs/m³
Thickness:	28mm & 53mm
Standard module size:	1200x2400 or 1200x3000
Edges:	Resin hardened, shaped if required.
Concealed Clips:	Resin mounted clip fix system.
Fabric Finish:	Heritage Textiles Berwick & City Lights together with Guilford of Maine FR701 & Anchorage fabrics are our standard range. However, any acoustically transparent fabric following approval by the factory can be used at extra cost.
Application:	All Locations.
Typical application:	An environment where contact could occur.

WHAT IS HIR FACING?

High Impact Resistant (HIR) facing is applied during the manufacture process to the 25mm or 50mm glass fibre base. This 216kgs/m³ density layer is 3mm thick and covers the entire face of the panel.

This hard surface offers good protection against impact whilst still allowing the sound to penetrate the panel and work correctly. The added density slightly enhances the panel's performance at low frequencies.

BESPOKE PANELS

Salex also specialise in the manufacture of bespoke acoustic panels. This may include the manufacture of various shapes and sizes or coverings with different fabrics – a recent project included perforated SpinneyBeck leather. We've also been specified on a number of Kvadrat and Maharam projects, both world renowned textile companies and in our opinion the results have been exceptional.

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TECHNICAL DATA

SOUND ABSORPTION PERFORMANCE

Product	Frequency (Hz)						
	125	**250**	**500**	**1000**	**2000**	**4000**	**NRC**
25mmAP Panel	0.06	0.30	0.78	0.99	1.00	0.98	0.75
28mmHIR Panel	0.08	0.40	0.89	1.00	0.98	0.97	0.80
50mmAP Panel	0.30	0.88	1.08	1.01	1.03	1.03	1.00
53mmHIR Panel	0.35	0.92	1.03	0.98	1.00	1.00	1.00

Current performance certificates supporting these figures are available on request.

WEIGHT & DENSITY

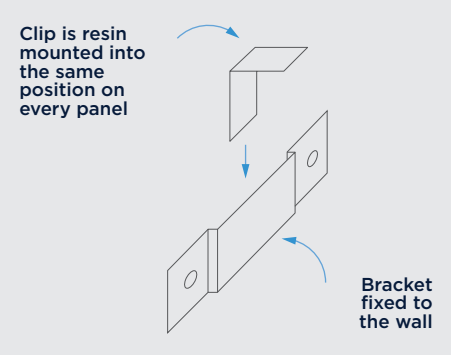
Product	Thickness	Density - kgs / m^3	Weight - kgs / m^2
SalexAP	25mm	95	2.9
SalexHIR	28mm (25mm+3mm)	95 + 216	3.0
SalexAP	50mm	95	4.9
SalexHIR	53mm (50mm+3mm)	95 + 216	5.0

FIXING DETAILS

All panels can be mounted in a variety of ways and are designed with ease of use in mind.

Concealed Standard Resin Mounted Clips

This is a factory applied system where a standard clip is resin mounted onto each panel in the same position. The quantity of clips used on each panel is dependent on size. For example, a 1200mm x 3000mm panel will have four pairs evenly spaced down the length of the panel. All panels are supplied with brackets to fix the clip over. Mounting the bracket on the wall is an easy process but accuracy is needed. Once all brackets are firmly in place the panel can be hung into position. For added security, extra adhesive between the bracket and clip in a couple of locations will offer extra support.

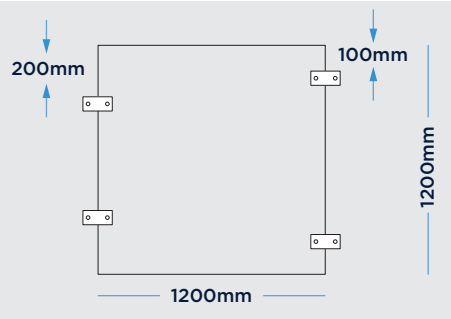


Progressive Resin Mounted Clip System for Ceiling applications

Again a factory applied system that uses an offset progressive clip fix that's semi concealed and can be used on any sized panels. Fix the first panel at the edge of the ceiling area with four screws holding it firmly in place. Slide the offset clips of the second panel under the edge of the first panel and fix with two screws. Continue the process across the ceiling.

Adhesive Fix (wall panels only)

This method of fixing is only recommended for small panels that have a maximum thickness of 25mm. Adhesive can be used on thicker panels, however, more adhesive and support whilst the glue cures will be required. With a large choice of adhesives available consideration should be made for the substrate to which the panel is fixed.



Special one off fixing systems

We pride ourselves in offering bespoke products to suit a particular application and this also applies to installation. We often work with clients to create the best possible solution - please feel free to contact us to discuss further.