

# EXEL

Designed as a high performance noise absorption product **EXEL** panel utilizes world leading

technology incorporating unique construction, lightness and the use of 100% recyclable polyester

fibres including the use of over 70% recycled fibres.

**EXEL** panels are one of the most eco friendly products available.

Only **EXEL** panels have vertical fibre orientation and double facings offering superior durability

and stability as well as ensuring consistent and repeatable high noise absorption results.

Unlike alternative materials **EXEL** panels can be installed in any position and will not stratify (pull apart) or sag when installed in a horizontal position.

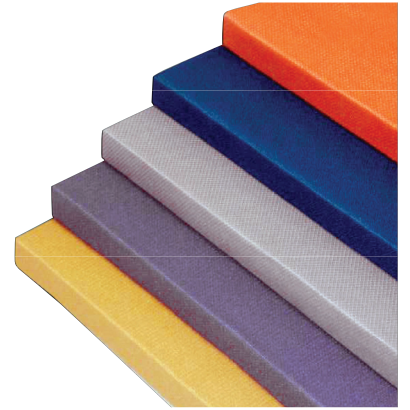
**EXEL** panels come in different sizes and in an extensive range of colours and textures to suit all applications

**EXEL** panels are easy to install on most surfaces without

the need for additional structural support and can be easily repositioned or removed if required.

**EXEL** panels are used in many applications including

- Restaurants,
- Auditoriums,
- Recording and Music Studios
- Commercial and Home theatres
- Offices and meeting areas
- and many other places.



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## Sound Absorption (Test in the Reverberation Room) SOUND ABSORPTION COEFFICIENT

Frequency Hz	Sorbalight Exel		
	30mm Thick	50mm Thick	30mm Thick Light Reflective
125	0.26	0.31	0.32
160	0.32	0.39	0.31
200	0.39	0.48	0.42
250	0.47	0.57	0.44
315	0.55	0.68	0.56
400	0.63	0.78	0.69
500	0.72	0.88	0.81
630	0.81	0.98	0.84
800	0.90	1.06	0.87
1000	0.97	1.12	0.98
1250	1.03	1.16	1.01
1600	1.06	1.16	1.05
2000	1.08	1.13	0.95
2500	1.09	1.09	0.92
3150	1.07	1.01	0.85
4000	1.00	0.95	0.71
NRC	0.80	0.95	0.80

### FLAMMABILITY PROPERTIES

MATERIAL	MVSS-302		AS1530.3		
	Self Extinguishing	Igniteability	Spread of Flame	Heat Evolved	Smoke Develop
Sorbalight Exel Std		9	0	2	4
Sorbalight Exel LF		0	0	0	4

Tested in February 2006

### MISCELLANEOUS PROPERTIES

MATERIAL	REC. MAX SERVICE TEMP	CHEMICAL RESISTANCE	THERMAL CONDUCTIVITY	MOISTURE ABSORPTION
Sorbalight Exel	110 C Continuous	Excellent	0.038 W/mK	<0.03% by Vol. At 50C 90% RH (for 4 days or more)

### TOXICOLOGY/HEALTH AND SAFETY

Sorbalight is completely non-toxic and safe to handle without protective clothing or respiration apparatus. Standard panel sizes are available as well as custom sizes. Please see our website for details.

#### Note:

- Specifications subject to change without notice
- The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer.
- They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.