

### Advantages

- High quality decorative finish.
- Compliments most window designs.
- Excellent acoustic and thermal insulation.
- Easy to handle, install, and clean.
- Cost effective sound control.
- Fire rated.

### Applications

Wilhams ASTEX WRL window reveal liners are designed to reduce the sound reverberation in the void between high performance window systems. Ideal for window systems employed in airports and other environments where high noise levels are prevalent. Also widely used for window systems in studios, conference centres, auditoria and offices where high acoustic performance is required combined with an aesthetically pleasing appearance.

### Description

Wilhams ASTEX WRL window reveal liners are acoustically absorbent glass fibre panels, faced panels of a composite construction. The standard covering is a high performance perforated PVC / vinyl facing available in a wide range of colours. Bespoke panels, of specific size, thickness, shape or faced with the clients chosen fabric can be made upon request.

### Physical Information

Standard thickness: 25 and 50mm  
Other thicknesses are available upon request.

Maximum panel size: 3000 x 1200mm  
Subject to covering limitations

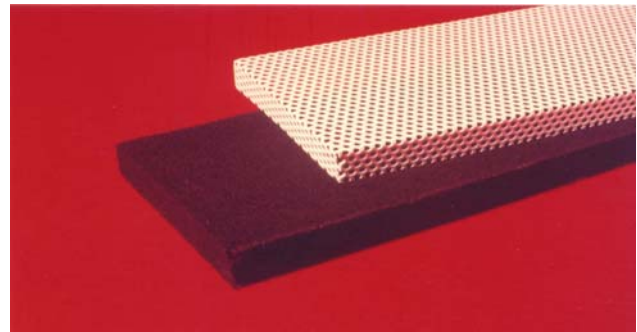
Weights: 3.25 kg/m<sup>2</sup> for 25mm panel  
5.00 kg/m<sup>2</sup> for 50mm panel

The above sizes and weights are nominal figures.  
Dimensional tolerance +/- 2mm.

### Fire Performance

Wilhams ASTEX WRL window reveal liners conform to the following specifications:

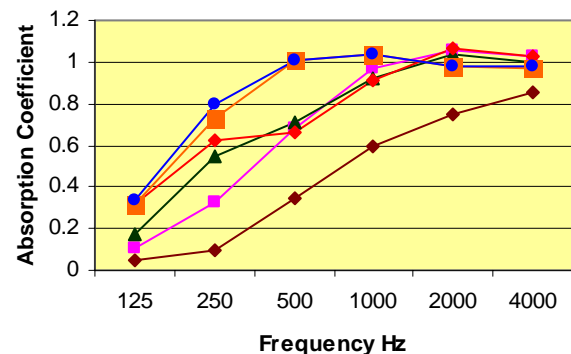
The panel core is non-combustible.  
BS 476: Parts 6 & 7 (Class'O') – panel only.  
FMVSS 302 <100mm/min – facing only.  
Thermal Conductivity – 0.035 W/mK



### Acoustic Performance

The noise absorption co-efficient for ASTEX Wilhams ASTEX WRL window reveal liner panels, as tested to BS 3638:1987 are:

Frequency/ Thickness	125	250	500	1k	2k	4k
12mm panel Solid back	0.05	0.10	0.35	0.60	0.75	0.85
25mm panel Solid back	0.11	0.33	0.68	0.97	1.06	1.03
25mm panel 25mm air gap	0.17	0.55	0.71	0.92	1.04	1.00
25mm panel 50mm air gap	0.32	0.62	0.66	0.91	1.07	1.03
50mm panel Solid back	0.32	0.73	1.01	1.04	0.98	0.97
50mm panel suspended	0.34	0.80	1.01	1.04	0.98	0.98



◆ 12mm +solid back	◆ 25mm panel +solid back
▲ 25mm panel +25mm air gap	◆ 25mm panel +50mm air gap
■ 50mm panel +solid back	● 50mm panel suspended

### Installation Guidelines

To install the Wilhams ASTEX WRL panel, bed in place with a silicon non slumping adhesive.

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