

## EEC ACOUSTILINE – WALL LINING SYSTEM



### DESCRIPTION

The system offers a simple technique of applying to wall surfaces a sound absorption lining protected by a perforated metal facing.

The unique construction of the absorption panel features high resistance to impact damage whilst providing optimum acoustic absorption.

The Acoustiline panel comprises a tray formed of perforated pregalvanised mild steel sheet which can be supplied in powder coat paint finish with choice of colour to a standard BS/RAL reference.

### ACOUSTIC PERFORMANCE

Absorption coefficients measured in accordance with BS.3638 1987 and ISO 354 1985.

Frequency (Hz)	63	125	250	500	1K	2K	4K	8K
$\alpha$ 50mm thick	0.07	0.21	0.67	1.18	0.96	0.78	0.72	0.53
$\alpha$ 100mm thick	0.17	0.57	0.88	1.15	1.06	0.83	0.82	0.69

### MATERIALS

Panel	0.7mm thick perforated white mild steel sheet or pregalvanised mild steel sheet with 33% open area.
Infill	45Kg/m <sup>3</sup> density mineral wool faced with tissue membrane. Melinex impermeable membrane facing to the mineral wool is also available
Channels	1.2mm thick galvanised mild steel sheet finished to match panels

### INSTALLATION

The system consists of lengths of retaining channel which are fixed to the wall surface to form a series of horizontal trays.

The panels are inserted into the retaining channels and simply abut one another - no vertical supports are required other than the possible use of similar channels vertically at corners or finishing points

