

IAC Noise-Lock 4 Panel

Panel Construction Data Sheet

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Description

Part of the IAC Moduline System, 102mm thick

Classed as a hard panel, one face is solid sheet steel and one face is perforated sheet steel.

Noise-Lock 4 Panel Performance

	Frequency (Hz)								
	63	125	250	500	1k	2k	4k	8k	
Transmission Loss	-	25	31	43	52	64	74	-	STC 44
Absorption	-	0.49	0.37	0.83	0.96	0.99	1	1	NRC 0.8

Drawing Number SD10007

Test Report SD10007

Construction

A 102mm thick panel, constructed from a 2mm plain galvanised back sheet and 0.7mm perforated face sheet.

Infill consists of a 12.5mm layer of gyproc and the remaining void filled with sound absorbing material.

Properties

Mass 36.7 kg/m²

Thermal Insulation 0.4 W/m²/°C

Lifespan

Galvanised Sheet

The Zinc coating is G275, this is equal to 19microns per side and the average decay of zinc for the UK is 1 - 1.5 microns per year.

More decay information is available on the galvanisers' website gives the yearly rate of decay for local areas.
http://www.galvanizing.org.uk/index.php/corrosion_map

Paint

The panels are also offered painted, the standard IAC Polyester Powder Coated is available in standard RAL colours, and the paint will offer extra protection against the elements but with no guarantees. For paint coatings against a specific corrosive environment dedicated paint is required from an external supplier.