

IAC Noishield Regular Hard Panel

Panel Construction Data Sheet

IAC Acoustics

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Description

Part of the IAC Moduline System, 102mm thick

Classed as a hard panel, both faces are solid sheet steel

Noishield Regular Hard Panel Performance

| | Frequency (Hz) | | | | | | | | |
|-------------------|----------------|-----|-----|-----|----|----|----|----|-----------------|
| | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | |
| Transmission Loss | 22 | 33 | 45 | 52 | 58 | 68 | 75 | 65 | STC 56/ Rw55 |
| Absorption | N/A | | | | | | | | |

Drawing Number SD10003

Test Report SD10003

Construction

A 102mm thick panel, constructed from a 1.6mm plain galvanised face sheet and a 1.6mm plain galvanised back sheet. Infill consists of sound absorbing material.

Properties

Mass 30.4 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.