# IAC Noise-Lock 2 Hard Panel
## Panel Construction Data Sheet

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## Description

Part of the IAC Moduline System, 102mm thick
Classed as a hard panel, both faces are solid sheet steel

## Noise-Lock 2 Hard Panel Performance

| | Frequency (Hz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | |
| Transmission Loss | **24** | **40** | **50** | **57** | **65** | **73** | **80** | **78** | **STC 61** |
| Absorption | **N/A** | | | | | | | | |

Drawing Number SD10005
Test Report SD10005

## Construction

A 102mm thick panel, constructed from a 1.6mm plain galvanised face sheet and a 1.2mm plain galvanised back sheet. Infill consists of two layers of 12.5mm thick gyproc with the remaining void filled with sound absorbing material.

## Properties

Mass 51.2 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.

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