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PRODUCT TECHNICAL INFORMATION SHEET

Soundex S50G & S100G Acoustic Cladding Panels

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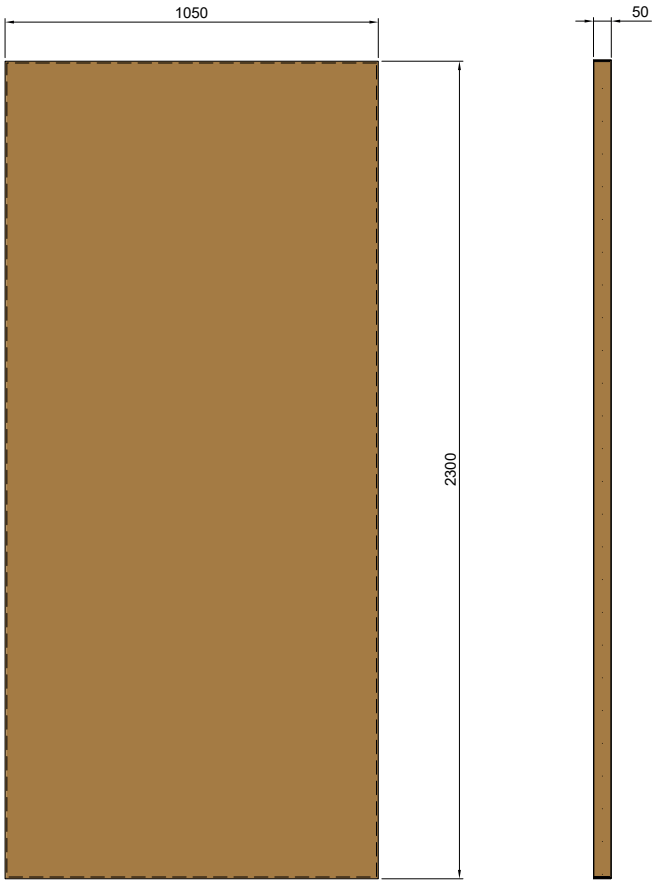
Soundex S50G Acoustic Cladding Panels



SPECIFICATION

The SoundEX S50G acoustic cladding panel is constructed from grade DX51DZ EN10143 pre-galvanised mild steel sheet profile cut and folded to required geometries to form either a 50mm deep pocket outer tray encapsulating a non-hygroscopic, sound absorbent, rigid slab, resin bonded, fire resistant, mineral wool infill to required density to achieve acoustic performance stated, to EN 13162 and Euroclass A1 non-combustible.

The infill can be supplied unfaced, self-finished, or with either white/black non-woven tissue or clear melinex wrap to prevent fibre migration.

The acoustic infill is retained using either a 1mm thick galvanised mild steel perforated mesh, patterned 3mm diameter holes on 5mm triangular pitch spacing.

All acoustic cladding panels are of side wall rivetted construction to form a robust, modular, structural element suitable for use in most environments.

WEIGHT

Actual weights are given on the equipment schedule.
Approximate weight: 20.0kg/m^2.

STANDARD SIZES

Panels are manufactured to agreed sizes on order.

ACOUSTIC PERFORMANCE

BS EN ISO 10140-2: 2010

63	125	250	500	1000	2000	4000	8000	HZ
21.6	20.0	23.4	30.2	38.8	44.4	48.5	28.5	db

SOUND ABSORPTION

63	125	250	500	1000	2000	4000	8000	HZ
.18	.42	.98	1.0	1.0	1.0	1.0	.82	-

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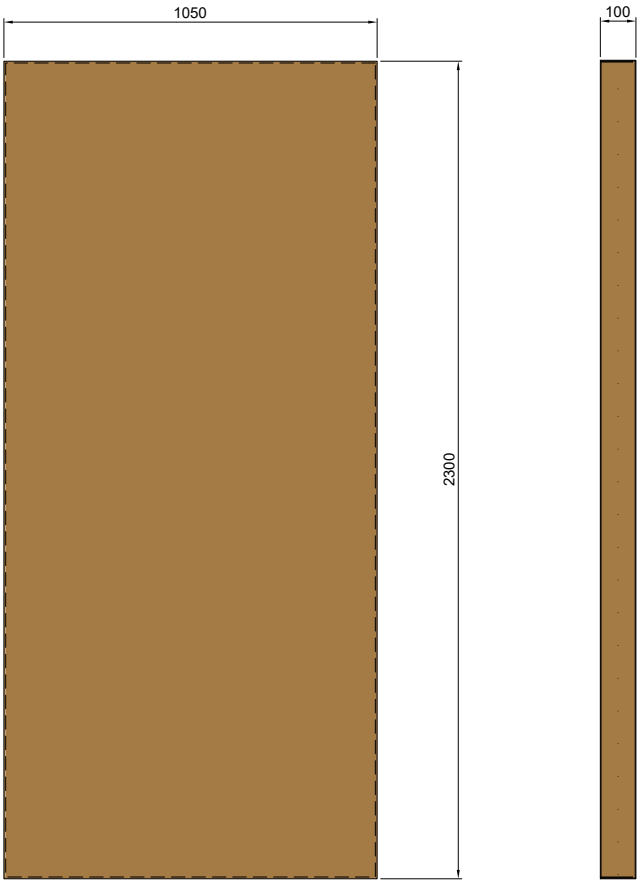

SPECIFICATION

The SoundEX S100G acoustic cladding panel is constructed from grade DX51DZ EN10143 pre-galvanised mild steel sheet profile cut and folded to required geometries to form either a 100mm deep pocket outer tray encapsulating a non-hygroscopic, sound absorbent, rigid slab, resin bonded, fire resistant, mineral wool infill to required density to achieve acoustic performance stated, to EN 13162 and Euroclass A1 non-combustible.

The infill can be supplied unfaced, self-finished, or with either white/black non-woven tissue or clear melinex wrap to prevent fibre migration.

The acoustic infill is retained using either a 1.5mm thick galvanised mild steel perforated mesh, patterned 3mm diameter holes on 5mm triangular pitch spacing.

All acoustic cladding panels are of side wall rivetted construction to form a robust, modular, structural element suitable for use in most environments.

WEIGHT

Actual weights are given on the equipment schedule.
Approximate weight: 24.3kg/m^2.

STANDARD SIZES

Panels are manufactured to agreed sizes on order.

ACOUSTIC PERFORMANCE

BS EN ISO 10140-2: 2010

63	125	250	500	1000	2000	4000	8000	HZ
22.0	18.8	25.7	35.7	40.7	44.3	48.1	28.5	db

SOUND ABSORPTION

63	125	250	500	1000	2000	4000	8000	HZ
.18	.42	.98	1.0	1.0	1.0	1.0	.82	-

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HOW WE **WORK**

PROJECT MANAGEMENT
All projects are managed by fully qualified and experienced project managers, guaranteed by us to be responsible for the efficient and successful implementation of the product, manufacture and installation.

DESIGN
We design all of our products using the very latest Autodesk Mechanical and Inventor 3D design software, allowing us to incorporate external details and supply our drawings and design documents in electronic DXF/DWG/DWF or PDF file format for easy collaboration, design reference and inclusion directly into your own CAD details or model.

BIM
We are BIM level 2 compliant and as such BIM models of our products are available for download through our dedicated online library at www.solbim.co.uk.

ADVANCED ANALYSIS
Sun path solar analysis can be carried out to support our solar shading proposals. Specialist computer software uses predictive ray casting technology to model the suns paths and subsequently calculate the amount of sunlight penetrating the building façade after our solar shading system has been taken into account.

INSTALLATION
To ensure your complete confidence in our projects we employ fully trained CITB registered installation engineers for each project. All associated installers will possess relevant CSCS documentation, IPAF and PASMA training. All site supervisors have SSSTS at minimum.

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SOLEX
solar shading

AQUARIUS
louvre systems

MEDERA
timber systems

SOUNDEX
acoustic systems