

SAFETYLYNE.

SPEC SHEET

PDLSC0001000_ACOUSTIC BARRIER SCREEN



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THE SYSTEM

- Aluminium Screen / Barrier Panels for sound isolation and aesthetic impact reduction
- Pre-assembled panels
- Modular design
- Customisable to suit site-specific application

SPECIAL FEATURES

- Modular design installed to support Structure
- Custom powder coat available to suit aesthetic requirements
- Additional Acoustic absorptive panels can be added to reduce sound impact and achieve acoustic ratings
- Insulated louvre blade systems also available on request

APPLICATIONS

- HVAC Plant Platforms: surrounding HVAC plant and equipment for sound insulation and noise reduction, whilst providing aesthetic benefits with powder coated screening
- Acoustic Barrier Screens can be fixed to roof areas around plant and equipment. Providing a visual and sound barrier for equipment on the roof or plant area. Reducing noise impacts and hiding unsightly HVAC, aircon and plant equipment.

MATERIAL

Aluminium Extrusions
Stainless Steel, Galvanised Steel and Aluminium
Fixings
25-50mm Megasorber CM
FC sheet sound barrier (if required)

DIMENSIONS

Custom bespoke design to suit project application.
Up to 3.3 metres high

CAPABILITY

Up to Rw 37
NRC 0.85 – 1.00
Screen Density 4 – 20kg/m²
Weatherproof G8 mesh protection
Hydrophobic design for increased lifespan in harsh external environments.

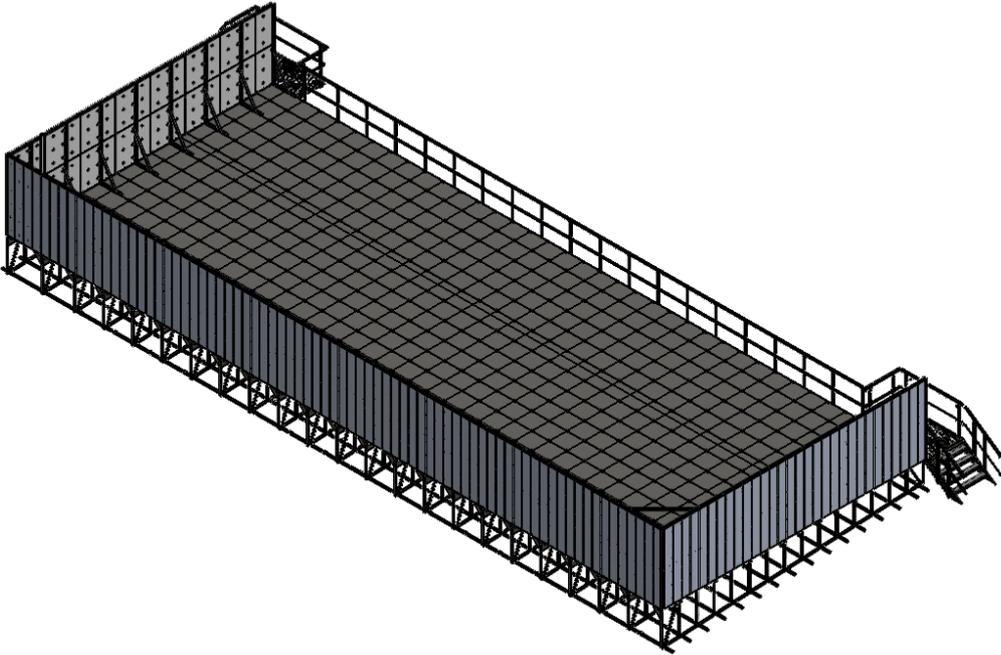
MAINTENANCE

Recommended annual visual inspection (12 months)

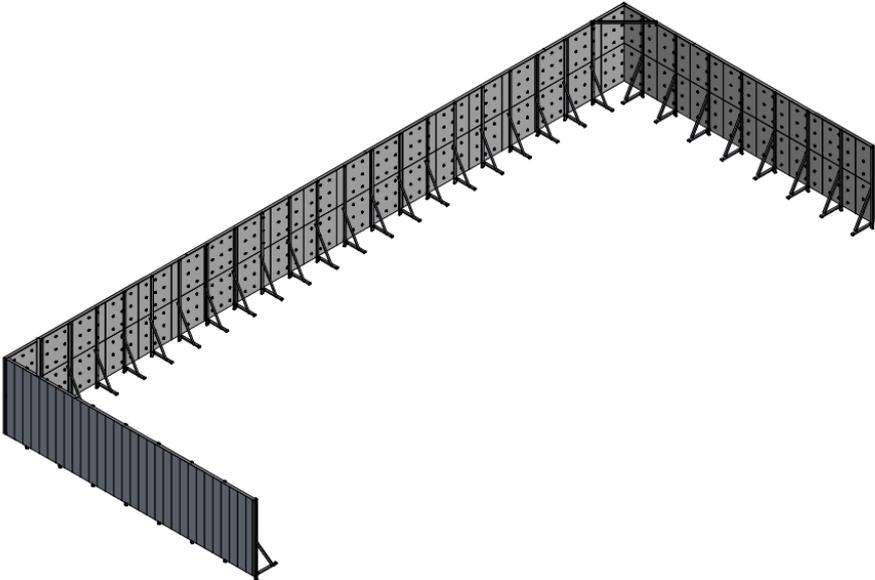
STANDARDS

AS 1170, AS 1657: 2018, AS 1664

PLANT DECK MOUNTED ACOUSTIC BARRIER

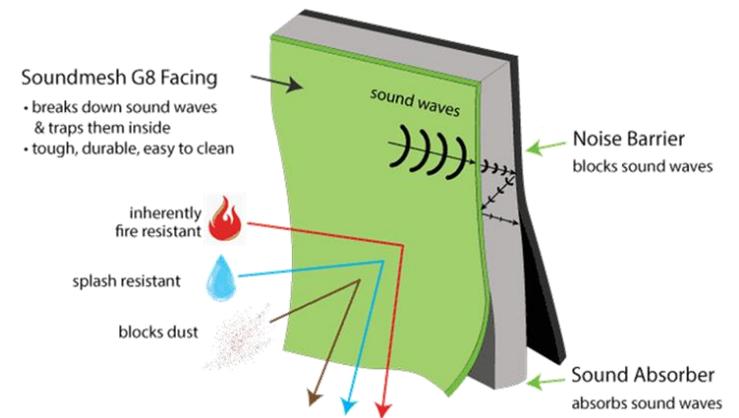
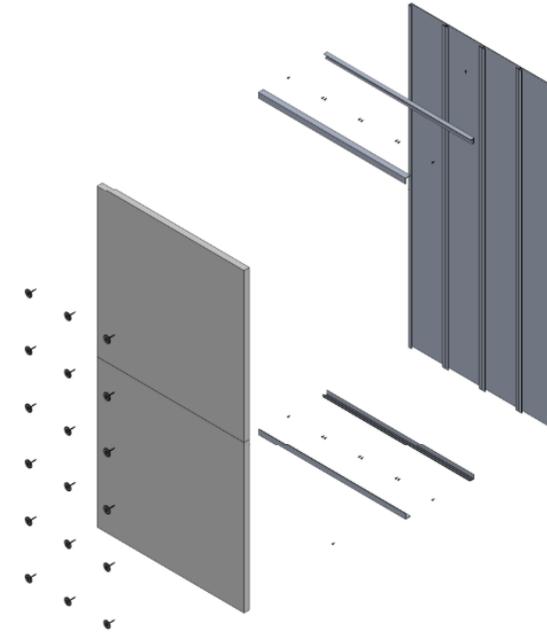
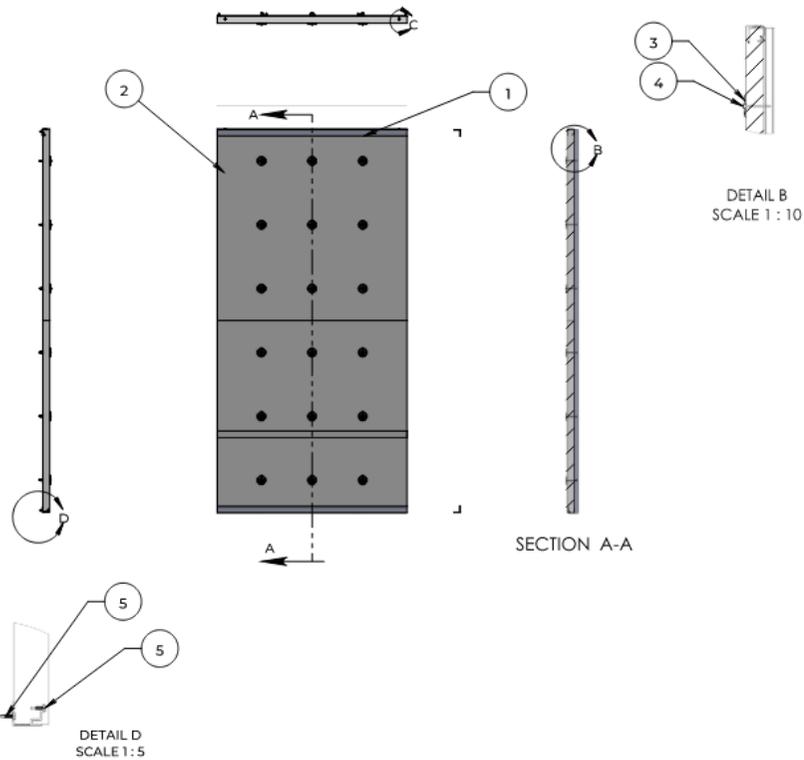


ROOF MOUNTED ACOUSTIC BARRIER



ACOUSTIC BARRIER TECHNICAL DETAILS

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL
1	22679-131-02	2500 High Acoustic Panel Frame - Suits 4 Panels	Aluminium
2	FM50W-RW	Megasorber - 1200mm x 1200mm x 50mm	Acoustic Foam
3	CALWA001008	A2 - Standard - Walkway Fixing Disk_STD	Aluminium
4	CGSFH001044	Screw 12-24 x 65mm Tiger Tek (S500 Hex bare C4)_STD	Galvanised Steel
5	CGSFH001042	A2 - Screw 10-16 x 16mm Bare TEK_STD	Galvanised Steel



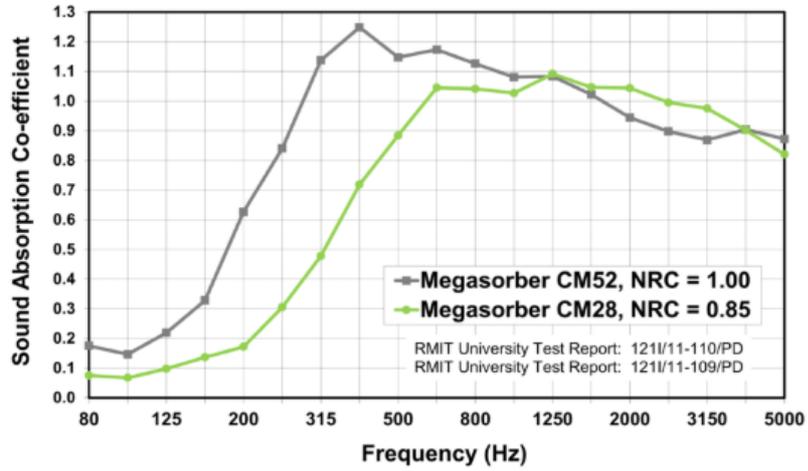
ACOUSTIC PROPERTIES

Sound Absorption Coefficients: AS ISO 354-2006: Acoustics Measurement of Absorption Coefficients in a Reverberation Room.

Megasorber CM

Sound Absorption

CM28: NRC 0.85
CM52: NRC 1.00



Sound Transmission Loss: SAE J1400 – Laboratory Measurement of the Air-borne Sound Barrier Performance of Automotive Materials and Assemblies.

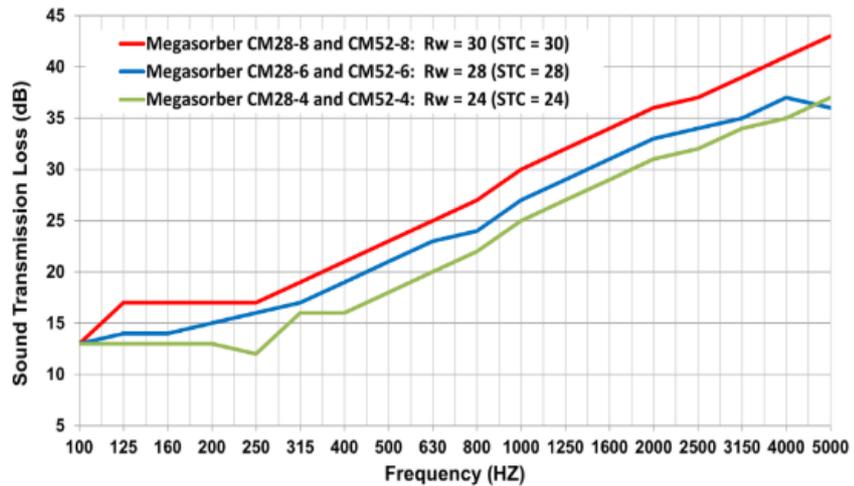
Megasorber CM

Sound Transmission Loss

CM28-4: Rw 24; CAC 38
CM52-4: Rw 24; CAC 38

CM28-6: Rw 28; CAC 44
CM52-6: Rw 28; CAC 44

CM28-8: Rw 30; CAC 48
CM52-8: Rw 30; CAC 48



Product	Sound Absorption	Sound Transmission Loss	Ceiling Attenuation Class	Total Rw or STC on Substrates	
	NRC	Rw or STC	CAC	2mm aluminium	16mm plywood
CM28-4	0.85	24	38	31	31
CM52-4	1.00	24	38	31	31
CM28-6	0.85	28	44	35	35
CM52-6	1.00	28	44	35	35
CM28-8	0.85	30	48	37	37
CM52-8	1.00	30	48	37	37

PROJECT PHOTOS



DISCLAIMER

Site specific design, layouts, spacings and fixings may vary to suit project requirements, and it is a Safetylyne design team prerogative to deviate from the design details included in this document to align with engineering assessment.