

— Acoustic+ **UltraWall**®

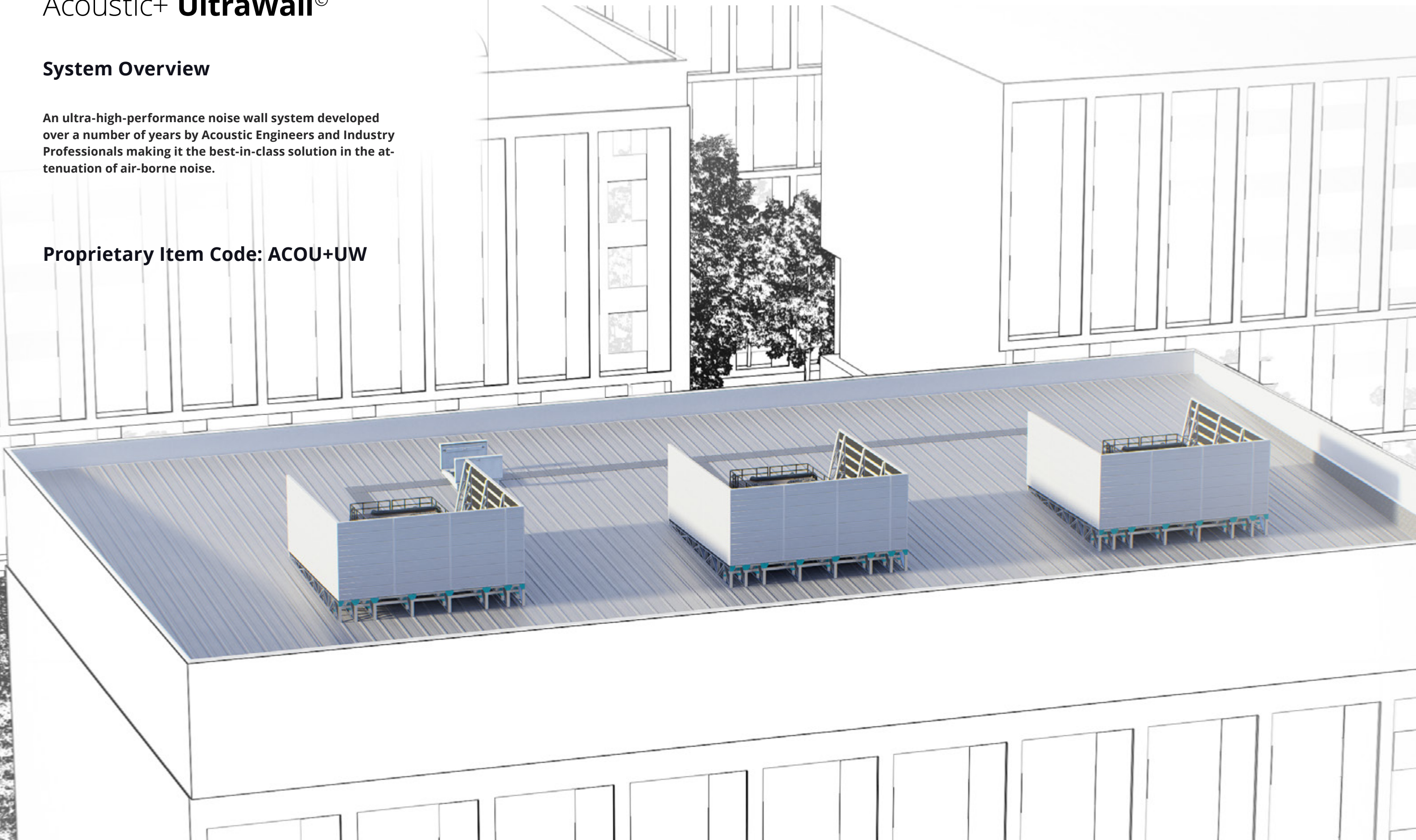
Product Specification Sheet

Acoustic+ **UltraWall**®

System Overview

An ultra-high-performance noise wall system developed over a number of years by Acoustic Engineers and Industry Professionals making it the best-in-class solution in the attenuation of air-borne noise.

Proprietary Item Code: ACOU+UW



Acoustic+ UltraWall[®]

Applications and Advantages

- > Large format stores – Shopping Centres - Supermarkets
- > Large condenser platform screening.
- > General architectural screening.
- > Compressor enclosures and screening.
- > Other mechanical plant equipment enclosures.
- > Acoustic+ is Australia’s leading external acoustic wall system in performance, design and value.
- > Con-form Group’s most effective system at reducing sound energy due to its three phase operation (absorbing - reflecting - absorbing).
- > Non-invasive - perfect to retrofit.
- > Can be fitted directly to existing metal deck roofs.
- > Structural components provide highly durable, long-term stability and performance.
- > Built to withstand all weather conditions.
- > Absorptive barrier is moisture resistant, UV resistant and fire retardant.
- > Easy assembly, design reduces the need for additional structural requirements.
- > System remains flexible during and after project design, allowing for changes late into the construction stage.

Technical Data

- > Weight’s vary depending on selected screen solution.
- > Heights include 1200mm, 1600mm, 2000mm 2400mm (custom heights also available).
- > Our screening solutions can be sized to suit any plant equipment allowing sufficient area around the units for access (available in any length to suit your needs).
- > Standard Heights: 1200mm, 1600mm, 2000mm, & 2400mm

Fire Resistance:

- > When tested in accordance with AS1530.3 (1999), “Early Fire Hazard Properties of Materials”, PSB exhibit the following characteristics:
 - Ignitability Index: 0
 - Spread of Flame Index: 0
 - Heat Evolved: 0
 - Smoke Developed Index: 0 – 3



Acoustic Performance

- > Acoustic Performance: Available in five density options to suite your site-specific needs:
- > All options have a noise absorptive surface as a standard.
- > Option A = 14.5 kg/m2
- > Option B = 20kg/m2
- > Option C = 25.5kg/m2
- > Option D = 30kg/m2
- > Option E = 36kg/m2
- > NRC (Noise Reduction Coefficient) = 1.05

Acoustic+ UltraWall[®]

Environmental & Health Benefits:

- > Recycled Fibre Content: 80% minimum.
- > Volatile Organic Compounds (VOC's): No harmful VOC's.
 - Formaldehyde Content: Nil
 - Phenol Content: Nil
 - Ammonia Content: Nil
 - Ozone Depleting Potential (ODP): Nil
 - Chloride Content
 - Total Recyclable Content: 100%



Moisture Resistance:

- > Exposure to an atmosphere of 50°C and 95% relative humidity for 4 days results in less than 0.2% by vol moisture absorption.

Maximum Service Temperature:

- > The maximum temperature to which Acoustic+ should be exposed in service is 150°C.
 - PET (polyethylene terephthalate) is made from 80% recycled materials and unaffected by moisture making it ideal for

Warranty

- > All steel components are backed by a 25 year warranty.
- > Replaceable items are covered by a 10-Year Warranty.



Maintenance

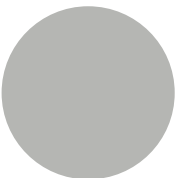
- > Visual inspection for any damage or loose fittings is recommended annually. Report any damage or loose fixings to asset manager or building owner for correction.
- > No certified maintenance is required that affects lifespan or performance of product.

Colour Options

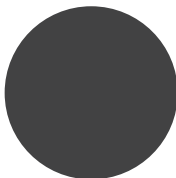
- > Available in three popular Colorbond colour choices.



SURF MIST
(Off-white)



SHALE GREY
(Gull-grey)



MONUMENT
(Gun metal grey)



Certification

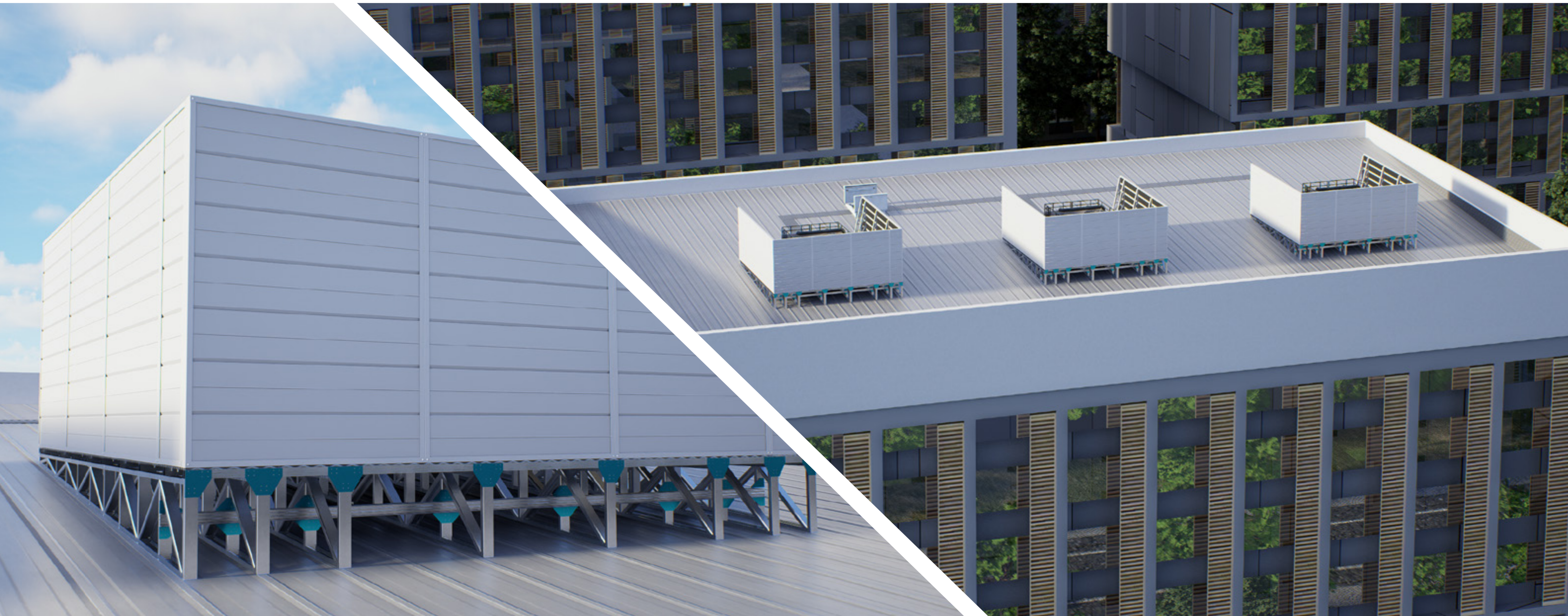
- > Australian Standards: AS1170.1, AS1170.2, AS1657 & AS1664.1 & Relevant Clauses of the Building Code of Australia
- > Wind loads in accordance with AS/NZS 1170.2, and based on the following parameters: VR,500 = as listed below; and Ms = 1.00, Mt = 1.00, Md, =1.00, and Mz,cat.
- > Wind Loads: Con-form products have been certified for wind regions A, B and C.
 - V500 = 45m/s - Region A - Tc 2.5
 - V500 = 57m/s - Region B - Tc 2.5
 - V500 = 66m/s - Region C - Tc 2.5



Project examples

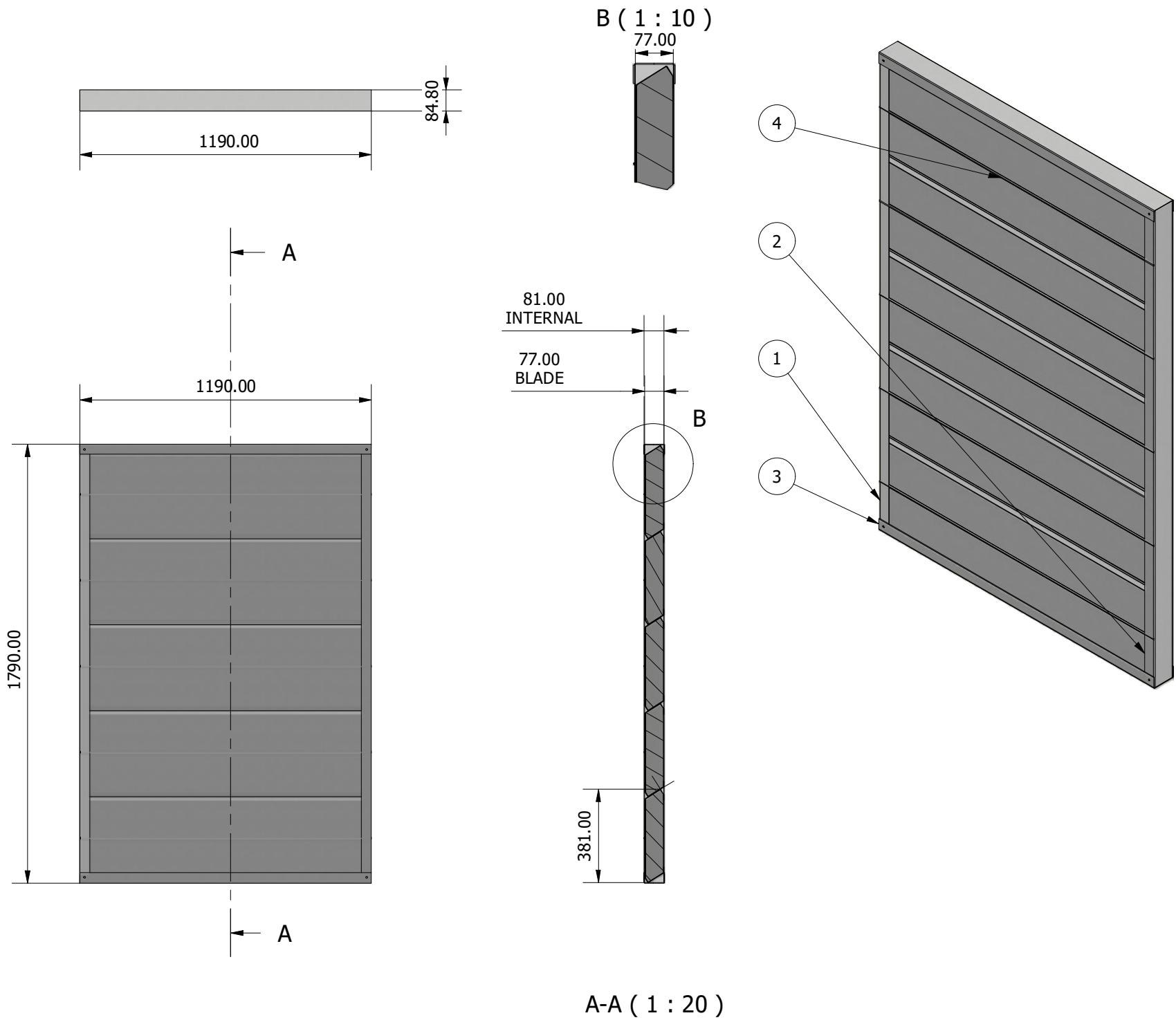
Versatile system options

Acoustic+ UltraWall© captures unwanted noise with its three-way absorb-reflect-absorb operation. At its core is a polyethylene material made from recycled products. The panel was developed for Con-form Group by a team including our engineers and acoustic industry professionals. Acoustic+ UltraWall© can be tuned to suit the noise output of each individual site



PARTS LIST				
ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION
1	1	1	CFG-403-039-01	Acoustic+ DC, Side Channel, 1200H, LH A
2	1	1	CFG-403-039-02	Acoustic+ DC, Side Channel, 1200H, RH A
3	2	2	CFG-403-039-03	Acoustic+ DC, Top & Bottom Channel, 1800W, A
4	5	5	CFG-403-043	Acoustic+ LouvreWall, Blade, 1200W, Option C, Asm , B

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	CREATED	03/06/2024	DW



Design Notes:

Partition Surface Mass: 25.5kg/m2 (Theoretical)
NRC (Noise Reduction Coefficient) :10.5
Cassette Full MFG Dim.
Refer Design: CFG-600-069

Material:

Making it *Easy*

19 CORPORATION AVE ,BATHURST NSW 2795,
info@conformgroup.com.au
1300 882 490

ALL DIMS. GIVEN IN MM

Product	Acoustic+ UltraWall, Panel, 1800W, 1200H, Option C, Asm, A
Drawing Title	CFG-403-047
Sheet	1 OF 1

Con-form[®] GROUP

Making it *Easy*

Our Capability Brands



Manufacturing
Centre of Excellence



Digital Design
Centre



Product
Development Centre



Custom
Engineered Product



Architectural
Creative Partner



Design
To Install