

PRODUCT SPECIFICATION



BOX CoBRA BALLISTIC PANELS

Customisable, robust and reliable – each panel can be specifically machined to meet your operational threat levels and security requirements.



PATENT PENDING, INCLUDING EUROPEAN
PATENT APPLICATION NO. 23187339.9

**SHIELDING ASSETS:
SCALABLE, MOVABLE, REUSABLE
EXPLOSIVE FRAGMENTATION
BARRIERS CREATING SAFE
ZONES ON-DEMAND**

BOX COBRA panels offer strategic protection for high-value assets (HVAs) and personal protective equipment (PPE) options.

Designed to suppress fragmentation and ballistic threats, COBRA panels are manufactured using certified and documented Aramid based technical fabrics, sourced solely from UK and EU based suppliers.

The door portal application combines multiple panels to enhance security at larger openings and entry points, demonstrating the adaptability and effectiveness of the BOX COBRA technology - providing scalable, demountable, relocatable, and reusable entry and exit protection.

Thanks to our full end to end ownership of the manufacturing process, panels can be customised in length and height - and specialist layers can be incorporated within the composite to enhance or boost performance.

Each panel is tested to (ENAC) AEP 2920:2015 Ed.A vs 2:2016. When assembled, they achieve a ballistic performance consistent with the NIJ Standard 0108.01 Level IIIA.

Features:

- Industrial black surface aesthetic
- Quantity of Aramid layers to boost performance
- UD materials to boost ballistic performance
- Foams and insulation layers
- RF EMI shielding mesh fabric 92 dB @ 0.2 to 2 GHz.
- Specialist fixings

PRODUCT SPECIFICATION



BOX CoBRA BALLISTIC PANELS

Robust ballistic panel defeats multiple high-velocity projectile types

ROBUST BALLISTIC PANEL
DEFEATS MULTIPLE HIGH-VELOCITY PROJECTILE TYPES



SCALABLE BARRIER
TAILORED TO MEET SPECIFIC THREAT LEVELS



PRODUCT SPECIFICATION



The
Box
Group

BOX CoBRA BALLISTIC PANELS

External Surfaces

- 600gsm Mil-Spec 100% Polypropylene F.R.
- Abrasion- 80,000 Martindale Cycles
- Fastness To Rubbing Wet 4/5, Dry 4/5 (EN ISO 105-X12)
- Laminated with Carbon Fibre Felt and Pvc
- High Capacity, Immediate Lead Times

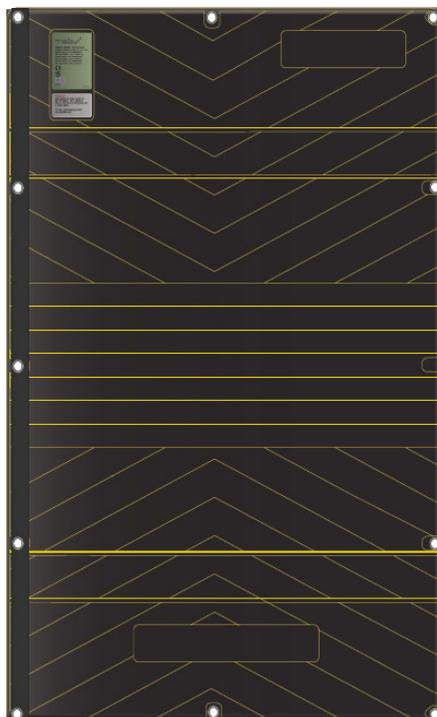
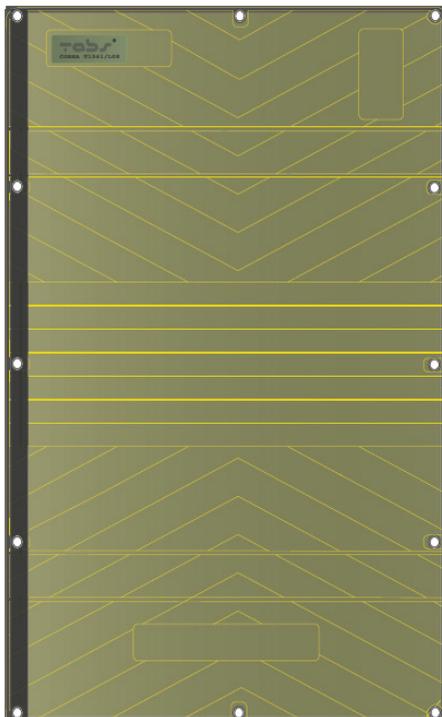
Internal Layers

- 1670 DTEX Aramid Yarn 400gsm (UNI EN 12127)
- 150cm (UNI EN 1773)
- Waterproof Resin Treatment
- Kevlar Thread Quilting
- Industrial Velcro Connection System
- Industrial Mil-Spec Black Inner Surface
- Industrial Mil-Spec Green Outer Surface
- Camouflage And Colours Available
- Range Of Internal Layer Options
- Fixings, Straps, Connections, Per Requirement
- Highest Quality Performance Materials
- All Materials are EU/UK Origin
- Height/length is scalable - any length possible
- Specific widths can be made for large orders
- Demountable, Reusable, Resilient

EXTERNAL SURFACE 1450mm x 2050mm

INTERNAL SURFACE 1450MM X 2050mm

50mm VELCRO JOINING MECHANISM ON LONG LENGTH



2050mm (SCALABLE)



PRODUCT SPECIFICATION

BOX CoBRA 1.0 BALLISTIC PANELS



The
Box
Group

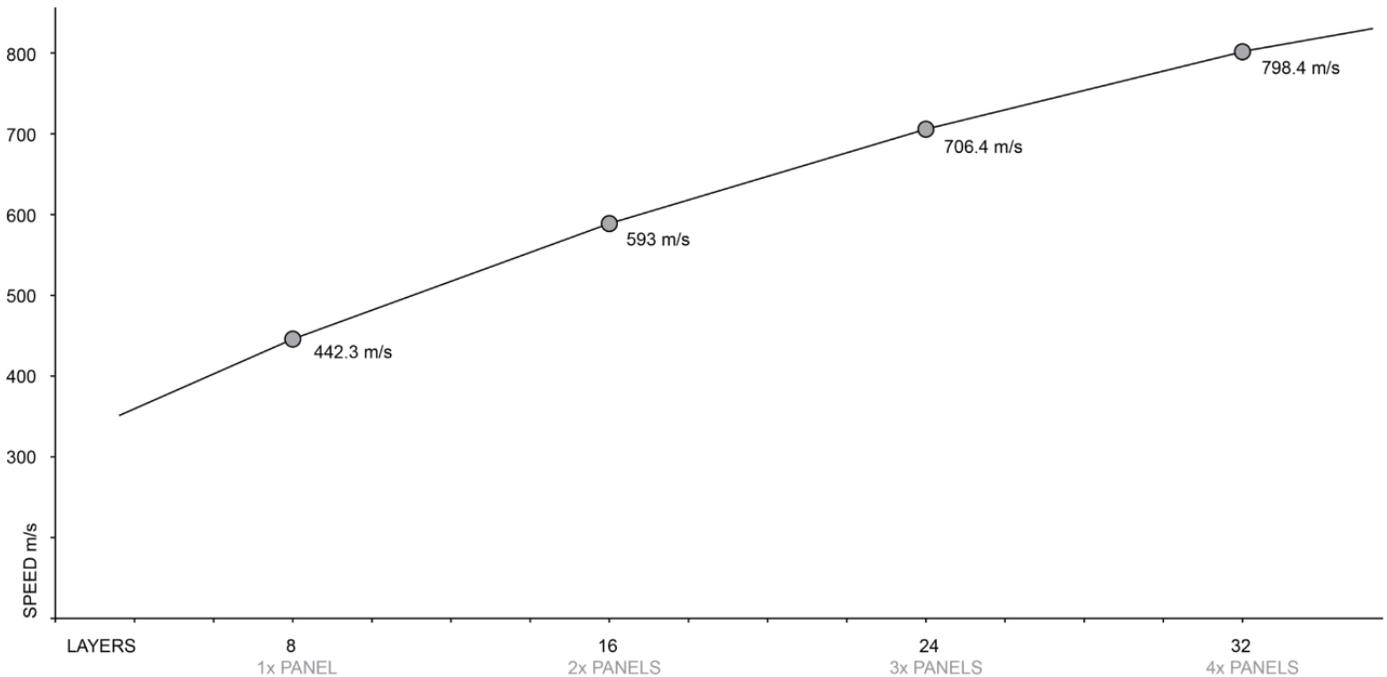
Dimensions	1450mm x 2050 mm x 12mm (STANDARD PANEL) 1450mm x UNLIMITED mm x 12mm
Performance - T1540WR/L08	STANAG 2920 (ENAC) AEP 2920:2015 ED.A VS 2:2016 V50 17G 426 M/S (1,398 FT/S) 4.28 KGM2 9.4 LBFT2 12.5 KG /PANEL (27.5 LBS)
Performance - T1540WR/L16 (2x PANELS)	STANAG 2920 (ENAC) AEP 2920:2015 ED.A VS 2:2016 V50 17G 582M/S (1,909 FT/S) 8.56 KGM2 1.55 LBFT2 25.1 KG /PANEL (55.3 LBS)
Performance - T1540WR/L24 (3x PANELS)	STANAG 2920 (ENAC) AEP 2920:2015 ED.A VS 2:2016 V50 17G 673M/S (2,208 FT/S) 12.84 KGM2 2.68 LBFT2 37.5 KG /PANEL (82.7 LBS)
Performance - T1540WR/L32 (4x PANELS)	STANAG 2920 (ENAC) AEP 2920:2015 ED.A VS 2:2016 V50 17G 727M/S (2,385 FT/S) 17.12 KGM2 1.89 LBFT2 50.2 KG /PANEL (110.7 LBS)
Certificates	Class C Sound Absorption $\alpha_w = 0.5$ (UNI EN ISO 354:2003) SRI 27 dB Rw 8x Aramid layers (UNI EN ISO 10140-2:2021) Thermal Conductivity 0.045 W/mK (UNI EN ISO 12667:2002) B-s1,d0 Fire Performance (BS EN ISO 13501-1:2018) B-s1,d0 Fire Performance (UNI EN ISO 13823:2020)

PRODUCT SPECIFICATION

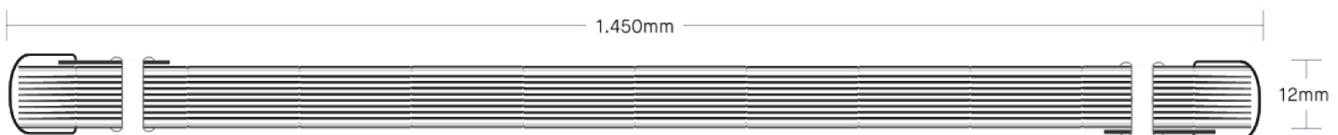


BOX CoBRA 1.0 BALLISTIC PANELS

SCALABLE, MOVABLE BLAST BARRIERS
CREATING SAFE ZONES ON DEMAND



BOX CoBRA CROSS SECTION



Specifications are not warranted and are subject to change without notice. The Box Group and all persons acting on its behalf disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Other company product names may be trademarks or service marks of others.

PRODUCT SPECIFICATION



BOX CoBRA 2.0 BALLISTIC PANELS

Our latest development in the BOX CoBRA range brings increased capability and performance, whilst maintaining the same weight as CoBRA 1.0 through advanced Dyneema® technology.

Dimensions	1.250mm x 1.540mm x 13mm (STANDARD PANEL) (US 4.1ft x 5.05ft x 0.04ft)
Performance - SB127 (SINGLE PANEL, 22 LAYERS)	STANAG 2920 v50 602m/s-(1,975ft/s) FSP 17g (ENAC) AEP 2920:2015 ED.A VS 2:2016 9.11kg/m ² - 17.5kg / COBRA 2.0 PANEL (US 1.86 lbs/ft ² - 38.6 lbs / BARRIER)
Performance - SB127 (DOUBLE PANEL, 44 LAYERS)	STANAG 2920 v50 798m/s-(2,618ft/s) FSP 17g (ENAC) AEP 2920:2015 ED.A VS 2:2016
Performance - SB127 (TRIPLE PANEL, 66 LAYERS)	STANAG 2920 v50 1000m/s-(3,280ft/s) FSP 17g (ENAC) AEP 2920:2015 ED.A VS 2:2016
Certificates	Class C Sound Absorption $\alpha_w = 0.5$ (UNI EN ISO 354:2003) SRI 27 dB Rw 8x Aramid layers (UNI EN ISO 10140-2:2021) Thermal Conductivity 0.045 W/mK (UNI EN ISO 12667:2002) B-s1,d0 Fire Performance (BS EN ISO 13501-1:2018) B-s1,d0 Fire Performance (UNI EN ISO 13823:2020)

Specifications are not warranted and are subject to change without notice. The Box Group and all persons acting on its behalf disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Other company product names may be trademarks or service marks of others.

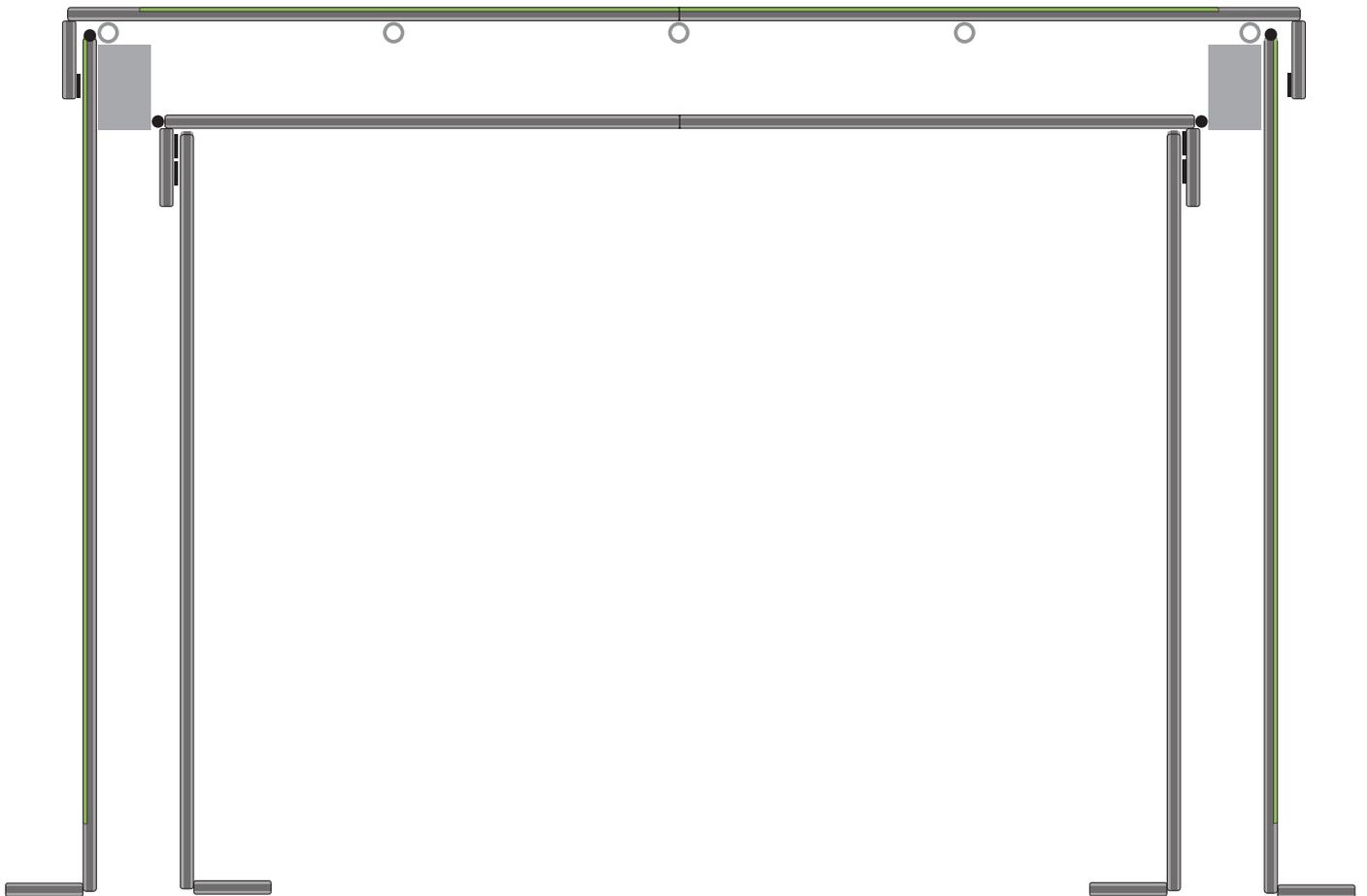
PRODUCT SPECIFICATION



BOX CoBRA 2.0 BALLISTIC PANELS

SENSITIVE COMPARTMENTED INFORMATION FACILITIES (SCIF) APPLICATIONS

- COMBINATION ACOUSTIC PANELS TO CREATE SCIF/DAR
(FOR MILITARY AND GOVERNMENT APPLICATIONS)



Our CoBRA 2.0 fragmentation barriers offer versatile deployment options for establishing Sensitive Compartmented Information Facilities (SCIFs) in various environments, including temporary locations such as tents, warehouses, or field installations.

The system can be rapidly assembled within minutes while maintaining acoustic security through integrated white noise generation operating at 50-60 dB levels to mask conversations and prevent audio surveillance.

The modular design allows for the optional integration of additional shielding layers to create Faraday cage-like protection against electromagnetic signals intelligence (SIGINT) threats, providing comprehensive physical, acoustic, and electronic security for classified information processing in both permanent and temporary operational settings.

PRODUCT SPECIFICATION

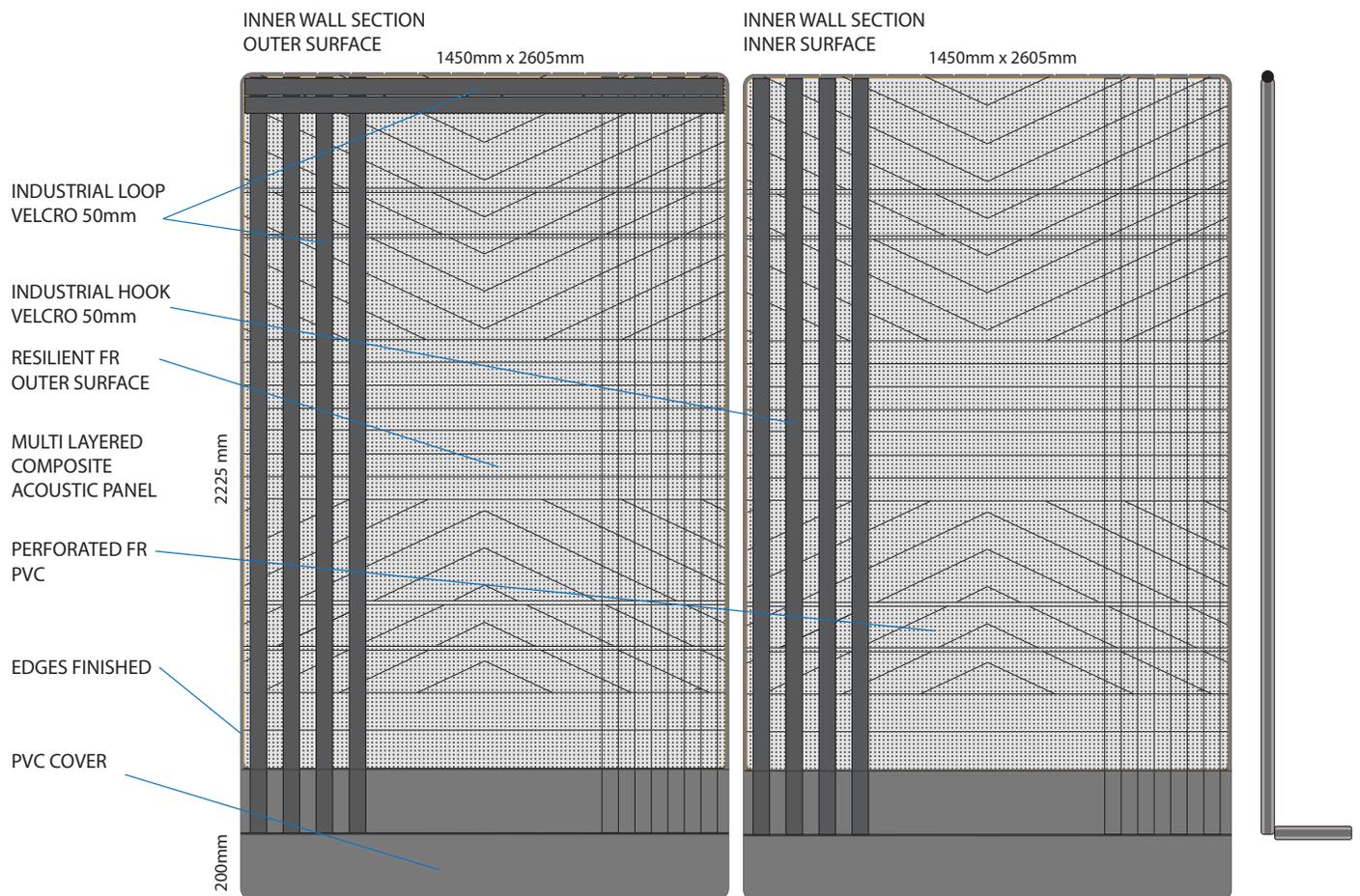


The
Box
Group

BOX CoBRA 2.0 BALLISTIC PANELS

- COMBINATION ACOUSTIC PANELS TO CREATE SCIF/DAR (INNER WALL)

BOX CoBRA 1450x2425 INNER WALL



Specifications are not warranted and are subject to change without notice. The Box Group and all persons acting on its behalf disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

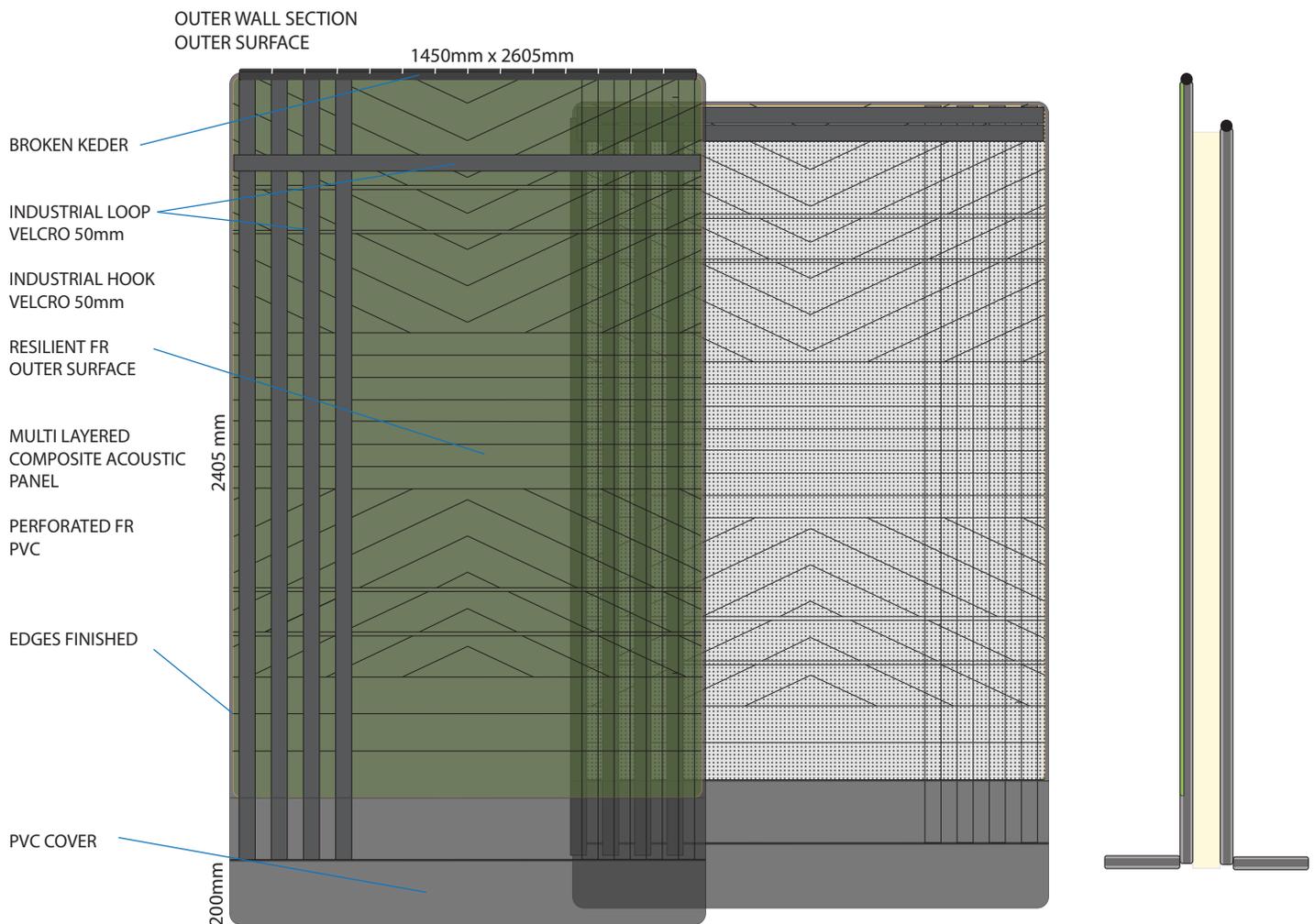
Other company product names may be trademarks or service marks of others.

PRODUCT SPECIFICATION



BOX CoBRA 2.0 BALLISTIC PANELS

- COMBINATION ACOUSTIC PANELS TO CREATE SCIF/DAR
OUTER AND INNER FRAME WITH AIR GAP



Specifications are not warranted and are subject to change without notice. The Box Group and all persons acting on its behalf disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Other company product names may be trademarks or service marks of others.

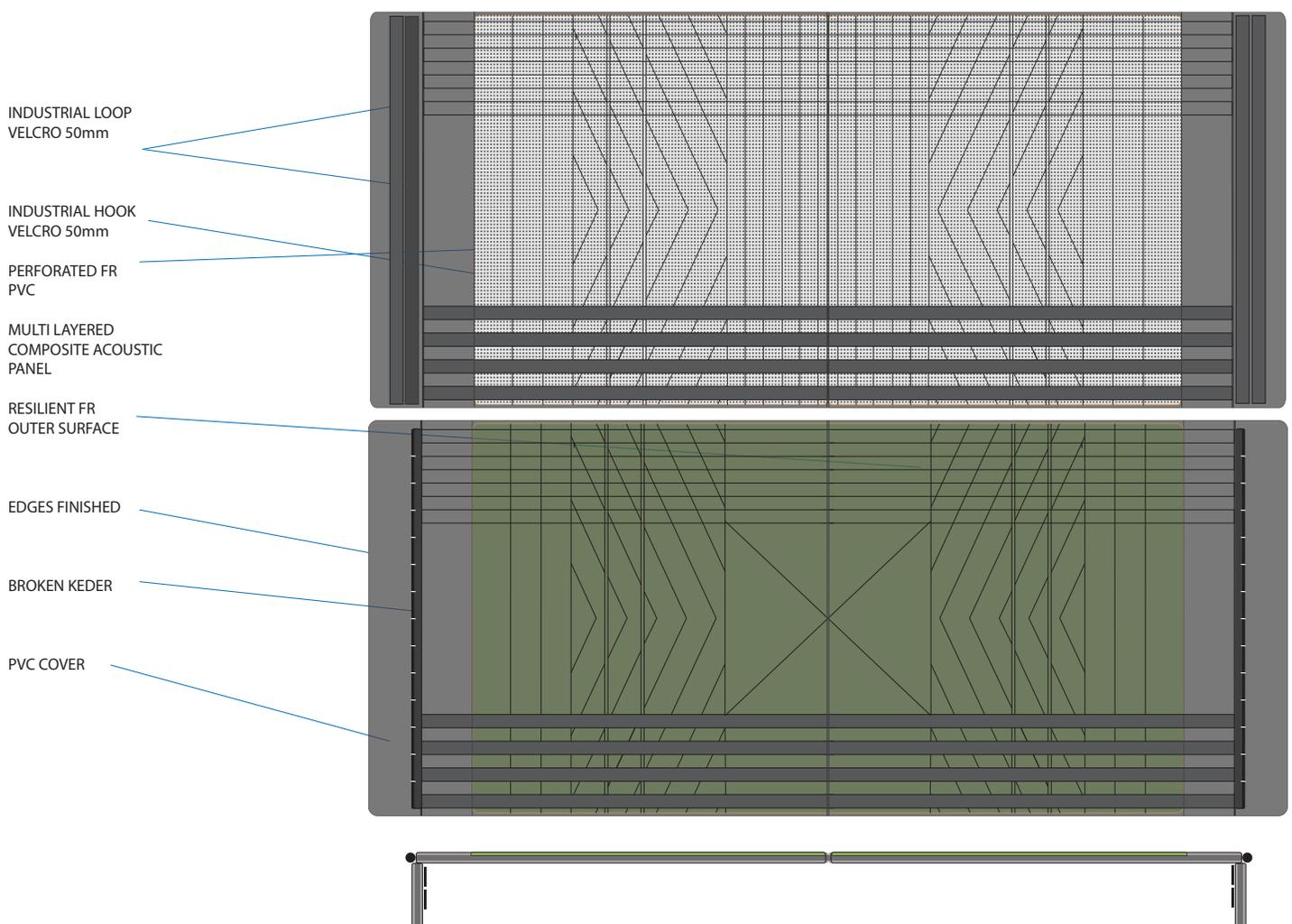
PRODUCT SPECIFICATION



BOX CoBRA 2.0 BALLISTIC PANELS

- COMBINATION ACOUSTIC PANELS TO CREATE SCIF/DAR (INNER ROOF SECTION)

1450x2605 INNER ROOF SECTION



Specifications are not warranted and are subject to change without notice. The Box Group and all persons acting on its behalf disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Other company product names may be trademarks or service marks of others.