

ULTIMAT DEFENCE L I M I T E D



Training Environments

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ENVIRONMENTS

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Tried, Tested and Trusted

We are the UK's leading manufacturer of officer safety, control and restraint training equipment to the UK police, prison services, NHS and other government agencies.

Ultimat Defence are a truly global brand. We take pride in our products that we design, manufacture and supply to all our customers; who are located in all four corners of the globe.

Product Development

Regular research and development of innovative yet practical product concepts combined with ongoing improvements in materials and manufacturing methods remain the driving force behind the success of Ultimat products.

With a proven track record, Ultimat assists instructors to deliver training methods that engage students in ways that improve realism, advances skill sets and builds experience without compromising on safety.

We continually invest in new machinery and test our facilities to evolve our manufacturing processes. This allows us to greater understand the ever changing technical properties of raw materials such as fabrics and impact absorbing materials. Comparisons are analysed, allowing the best combination of materials to be used for each product development.

In addition to continued research and development, we also work closely with a number of other training establishments and external test houses. Listening to and studying 'hands on' front line experiences, tempered alongside controlled practical lab analysis, enables us to develop quick and effective solutions to new and emerging threats that our clients may face. We are always open to discussions regarding your needs should you have a forth coming project.

Training

We design, manufacture, supply and install state of the art environments within which training is carried out. Using our many years of experience we can create a perfectly practical solution for you.

Our life-size Black Wall System of modular components create spacial awareness, allowing you to custom build rooms, corridors, confined spaces, vehicles and many more... all to your own requirements. Ultimat provide the very best safe environments for all aspects of training from first aid, officer safety and public order through to firearms training that are robust, fit for purpose and cost effective.

Reality

With more than 25 years producing training equipment, we have now taken the natural progression into the designing, manufacturing and supplying of frontline equipment for officers. Our full range of HOSDB/CAST certified limb protectors have been established in the market for many years, with Ultimat having won a number of extended contracts with police forces throughout the UK. We are also a provider of riot protection equipment, slash and cut protection and method of entry equipment, that enable our Ultimat philosophy of 'From Training to Reality' to come to fruition.



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DEFENCE
LIMITED

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Ultimat Defence are the designers and manufacturers of the Black Wall System of modular components.

The Black Wall System gives you total control and allows you to build your very own safe, life-size rooms, corridors, cells, shower blocks, confined spaces, cellular vehicles and much more; bringing another dimension to your scenario and role play officer training. Rooms can be changed and adapted both quickly and easily over and over again, ensuring your training never becomes stale or predictable and all this can be achieved almost anywhere.



The Historic Answer

The solution to providing this type of training environment was to build expensive wooden or steel structures that become a fixed feature within a training venue. One problem with this approach is, every type of scenario needs a bespoke room/area building and this is very expensive and space thirsty.

Once built, this type of area is fixed and not very adaptable, students soon become familiar with scenarios and room layouts. Even worse and unfortunately more common than not, is that only the most basic of training areas are provided, consisting of some gym mats and old worn out equipment. Because these systems limit the students ability to experience a wide variety of room types, ultimately the quality of the training they are receiving in preparing them for duty is often compromised.



Black Wall System



So How Does it Work?

The Black Wall System is simple and intuitive to use, it is made up of carefully designed modular shapes and features freestanding walls, half-height walls, doors, lintels, obstacle blocks and uneven flooring/safety mats.

The pieces are life-size, free-standing yet light enough to be carried by one or two people, they link together using a Velcro system that is both strong and robust once in situ, but allows for the pieces to be easily taken apart and reconfigured within minutes.

Hundreds of training spaces can be created to replicate something as simple as a row of shower blocks, a police/prison cell, or something more challenging for students to cope with; such as a full office or home layout involving rooms, corridors and obstacles to overcome.

The construction of each piece of the system is from the latest lightweight robust foams and heavy-duty custom covering, which is liquid resistant, hygienic and can be simply wiped clean with a damp cloth and any anti-bacterial cleaner, helping to keep maintenance to a minimum.



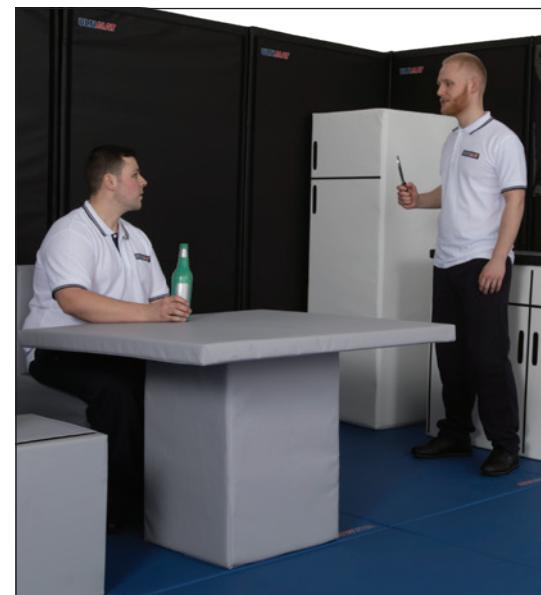
What is it Used For?

The Black Wall System is designed for multiple use scenario training. Often OST/C&R training is carried out in large open spaces or in areas marked out on the floor to represent rooms or confined spaces.

With the Black Wall System you are able to construct the room or space required with the knowledge that it is both robust and safe. Firearms units now have the capability of being able to build many training scenarios allowing training to remain fresh and interesting. With the addition of Target Boards that slot easily into the Black Wall System or the use of the Black Wall Target Hanger that can be hung anywhere within your layout, this now allows qualifying or scenario targets to be used in conjunction within the Black Wall System. Dynamic Intervention Training using paint rounds can also be carried out with the Black Wall System, the paint simply wipes off afterwards.



With the use of Barricade Lintels and Battle Blocks, obstacles can be constructed allowing students to train for situations that may occur once in the field. The 1m x 1m walls are also load bearing and can be used to



Black Wall System Develops Spacial Awareness

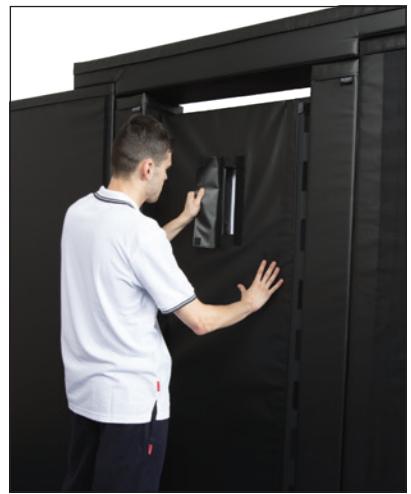
create windows that can be climbed through, or simply used as an observation window allowing instructors to oversee training without causing any extra physical obstruction or interference during a student's training.



Ultimat's scenario safe furniture is 100% compatible with the Black Wall System and rooms can be populated to create even more realism within the setup you have constructed.

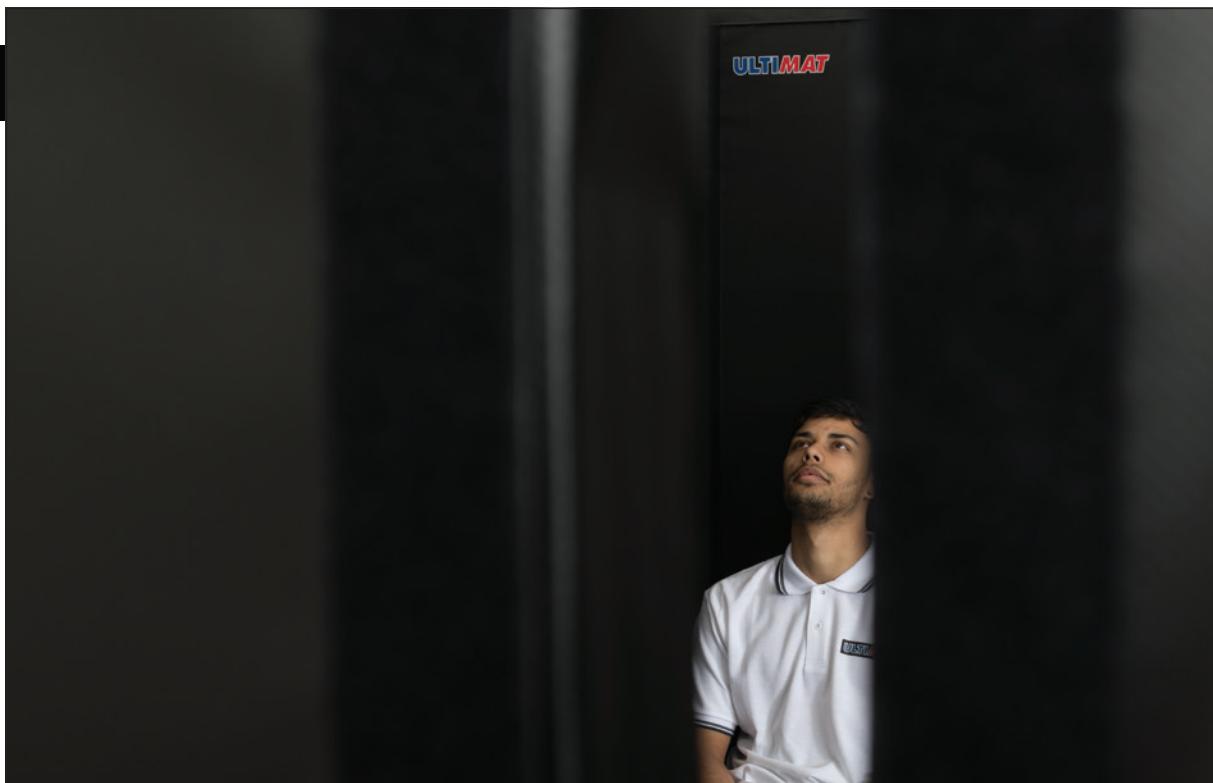
Using the furniture alongside the Black Wall System provides a totally safe environment and at the same time allows the student to react and interact within their surroundings, such as offices, bedrooms, kitchens, cells, living rooms etc. The ease with which rooms and environments can be quickly changed or altered ensures that students don't become complacent about predictable, unrealistic training.





Cost Effective

Rising training costs are always an issue and getting the most out of your equipment or resources is paramount. Many forces are now having to deliver a number of different training skills, OST, Conducted Energy Devices (CED), MOE, Specialist training etc. in their existing venues. This often proves difficult when one venue cannot offer everything for everyone, and forces find themselves hiring venues away from their natural home base where serious compromises on equipment's suitability and availability have to be made.



Black Wall System

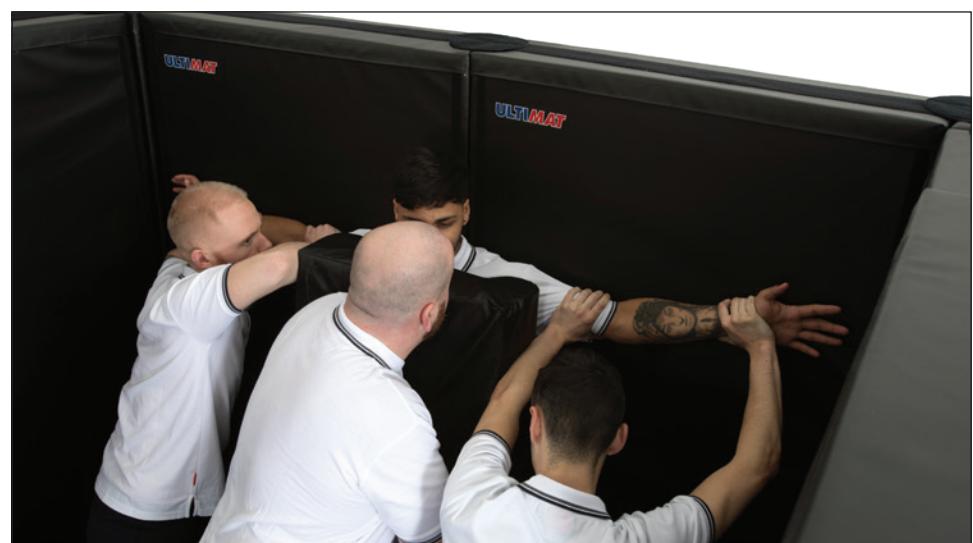
The Black Wall System is the perfect solution to unlock more options from your existing venues. Not only does the Black Wall System save money on the hiring of premises, it saves money involved with the travel costs and most of all, it saves valuable time by giving you the ability to adapt your existing training venue at a moments notice.

Now you're no longer stuck with a particular room/building layout. You decide how you want it to look, what shape and how big the rooms are, where you want the doors, where you require windows. Do you want corridors? Do you require obstacles? You decide! The only limitation is your imagination.

A major benefit is that the Black Wall System is modular, and the entry level to the system is inexpensive. Expansion is simple, you can add to your system one piece or multiple pieces at a time with no minimum purchase, enabling simple, easy growth of your Black Wall System to be carried out at any time in the future, offering real value for money.

Another major benefit is that your department will have the ability to potentially generate income from other departments and authorities that will wish to share this fantastic, flexible, confined space training system.

Build Different Environments Over and Over Again



“ Police Tactical Dogs and Firearms Unit purchased your Ultimat walling system several months ago having seen the Ultimat system at a conference. A colleague and I were invited to Ultimat where we were shown the walling system. We previously had a wooden walling system that was very heavy to move. Each piece had a large footprint and the manner in which it attached and flexibility of room set ups was poor.

We have used the system on numerous occasions when completing our firearms training. We have completed ARV TAROS training, SFO Dynamic Intervention training and numerous smaller training sessions. We have used the system with paint rounds and this has caused us no problems, we just wash it down afterwards.

It soon becomes apparent to those that are used to setting up scenario training that the system is extremely flexible. It allows you to practise a scenario with your team and in a very short space of time (minutes) change the layout (LOE) with one or two people. Our team, particularly some of the older members have commented that the system is far better than buildings that we have previously hired at some expense.

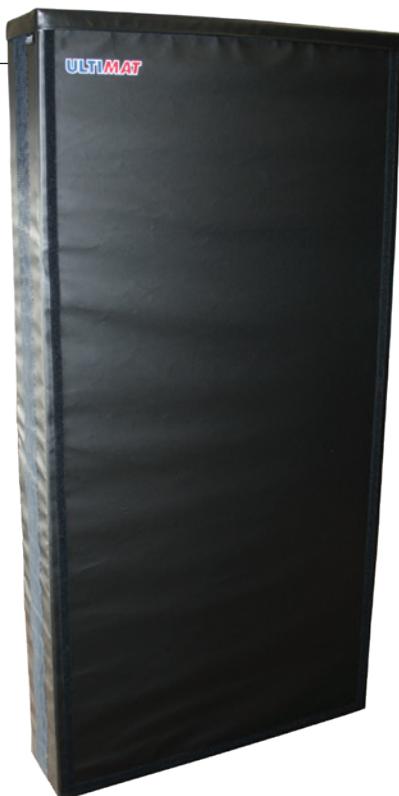
The ability to make corridors and rooms that you will find in normal houses as opposed to the old factories and warehouses that we find ourselves borrowing to train in is also invaluable. The system gives us the ability to train on site which increases our contact time with our teams and cuts down travelling costs.”

Full Wall Module

BWFWM

Your main unit in the Black Wall System.
Weighted at the base they are free standing
and easy to fit.

Dimensions: 2m x 1m x 25cm.
Weight approx.: 32kg.



Barrier Wall Modules

BWBWM

These Barrier Modules are 2m in length and 1m high and designed to create traffic calming and filtering to pedestrian isolation zone training. The Barrier Modules can also be used with any existing Black Wall to create longer low walls with layouts for student and instructor observation. The Barrier modules are load bearing, allowing people to climb over the barriers if the scenario requires. These new Barrier Modules can also be used in conjunction with the new half hinges allowing you to create angles within your training environment.

Dimensions: 2m x 1m x 25cm. Weight: 60kg.



Half Wall Module

BWHWM

These components are used for windows and low walls. They can be climbed over and are key pieces in the system.

Dimensions: 1m x 1m x 25cm.
Weight approx.: 27kg.



Lifting Straps

BWLS

Designed to help lift and carry Black Wall modules from one location to another. Simply by placing one strap on either side of a Barricade, Full Wall or Half Wall Module allows two people to move modules with ease. Supplied in pairs.

Dimensions: 57cm x 10cm x 0.5cm.
Weight 100g.





Full Pillar Module

BWPM

These components have Velcro on all four faces and allow walls to be positioned at right angles to each other. Weighted at the base these modules are free standing.

Dimensions: 2m x 25cm x 25cm.
Weight approx.: 12kg.



Half Pillar Module

BWHPM

This component has Velcro on all four faces and allows Half Wall Modules to be positioned at right angles to each other. Weighted at the base these modules are free standing.

Dimensions: 1m x 25cm x 25cm.
Weight approx.: 9kg.

Lintel/Brace

BWLB

Used to make doorways and windows and to add strength to corridors.

Dimensions: 1.5m x 25cm x 15cm.
Weight approx.: 3kg.



Barricade Lintel

BWBL

Used to make lintels across windows or barricades in doorways.

Dimensions: 1m x 25cm x 20cm.
Weight approx.: 3kg.

BWWA

Window Arch

These window arches add another dimension of reality and are used to create lintels across the tops of windows and doors.

Dimensions: 1m x 25cm x 20cm.
Weight approx.: 2kg.

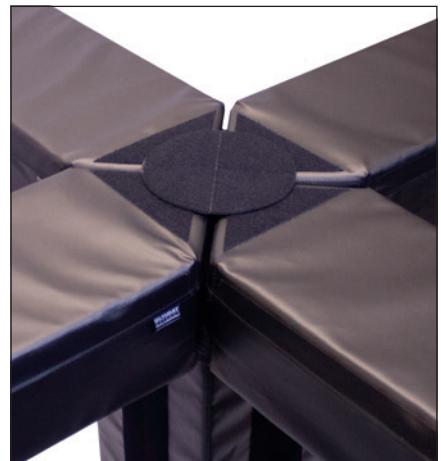


Multi-Point Lintel

BWMPL

Using this new Multi-Point Lintel allows you to place up to four lintels on to one Pillar Module or more than one lintel to a single point on a Full Wall Module. This increases the opportunities and flexibility of your Black Wall System.

Dimensions: 1.25m x 25cm x 15cm.
Weight approx.: 3kg.



Black Wall Hinge System

Our Black Wall System has always worked on the basis that walls and rooms are built with 90 degree angles, however this has now changed with the introduction of the new hinge system. You simply select the appropriate hinge depending on which walls or pillars you are connecting together, fix the hinge in position which will then allow you to create the required angle. The new hinge system allows for greater flexibility in the layouts which you can create with your new or existing Black Wall System.

Please Note: Hinges are not a replacement for a Pillar Module when a 90 degree corner is needed, as they do not hold the same strength and weight to the layout.



Wall Module to Wall Module



Pillar Module to Pillar Module



Wall Module to Pillar Module



Red Label Hinge



Blue Label Hinge



Yellow Label Hinge

Full Hinge for: Full Wall to Full Wall

BWFHWW

This hinge is designed to work with two Full Wall Modules where an angle other than 90 degrees needs to be created. The Full Hinge sits between the two full walls and utilises the Velcro on both the ends and the front faces to give a strong but flexible solution to what was once unachievable.

Dimensions:
1.88m x 24cm x 1cm.
Weight: 1.3kg.

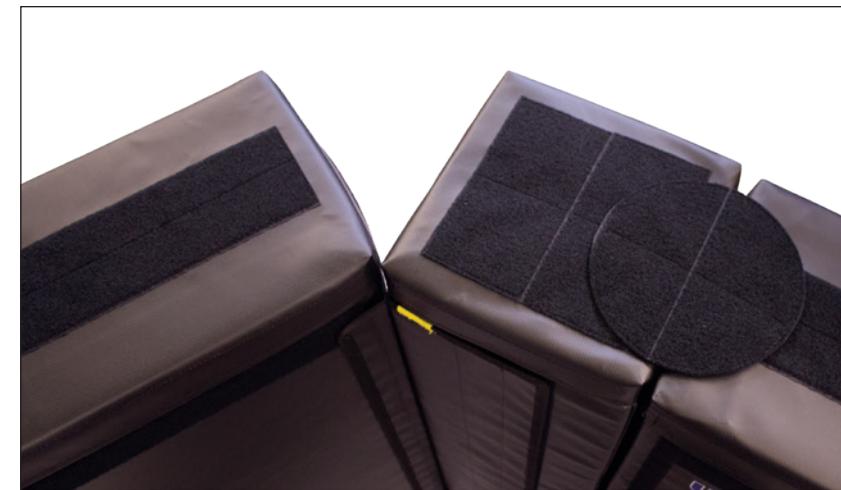


Full Hinge for: Full Pillar to Full Pillar

BWFHPP

This hinge is designed to work with two Pillar Modules where an angle other than 90 degrees needs to be created. The Full Hinge sits between the two Pillar Modules and utilises the Velcro on two faces of each pillar to give a strong but flexible solution to what was once unachievable.

Dimensions: 1.88m x 35cm x 1cm. Weight: 1.9kg.



Full Hinge for: Full Wall to Full Pillar

BWFHWP

This hinge is designed to work with a Full Wall and Pillar Modules where an angle other than 90 degrees needs to be created. The Full Hinge sits between a Full Wall Module and a Pillar Module and utilises the Velcro on the end and the front faces of the full wall and two faces of the pillar module to give a strong but flexible solution to what was once unachievable.

Dimensions: 1.88m x 35cm x 1cm. Weight: 1.6kg.



Half Hinge for: Half Wall to Half Wall

BWHHWW

This hinge is designed to work with two Half Wall Modules where an angle other than 90 degrees needs to be created. The Half Hinge sits between the two half walls and utilises the Velcro on both the ends and the front faces to give a strong but flexible solution to what was once unachievable.

Dimensions: 92cm x 24cm x 1cm.

Weight: 0.6kg.



Half Hinge for: Half Pillar to Half Pillar

BWHHPP

This hinge is designed to work with two Half Pillar Modules where an angle other than 90 degrees needs to be created. The Half Hinge sits between the two Half Pillar Modules and utilises the Velcro on two faces of each pillar to give a strong but flexible solution to what was once unachievable.

Dimensions: 92cm x 35cm x 1cm. Weight: 0.9kg.



Half Hinge for: Half Wall to Half Pillar

BWHHWP

This hinge is designed to work with a Half Wall and Half Pillar Module where an angle other than 90 degrees needs to be created. The Half Hinge sits between a Half Wall Module and a Half Pillar Module and utilises the Velcro on the end and the front faces of the Half Wall and two faces of the Half Pillar Module to give a strong but flexible solution to what was once unachievable.

Dimensions: 92cm x 35cm x 1cm. Weight: 0.8kg.

Reversible Door

Reversible doors are available in 2 widths, 1m and 70cm wide. They can be hung from either side of your Black Wall System setup and can open both inward and outward. Please note that if a 70cm door is required then a pair of frame reducers are also needed.

BWRD

Dimensions: 1.85m x 1m x 5cm. Appox 5kg

BWRDN

Dimensions: 1.85m x 70cm x 5cm. Appox 4kg



Reversible Cell Door

Reversible cell doors are available in two widths, 1m wide and 70cm. Doors can be hung from either side of your Black Wall System setup and can open both inward and outward. They have a vertical viewing panel to allow for observation. Please note that if a 70cm door is required then a pair of frame reducers are also needed.

Dimensions: 1.85m x 1m x 5cm. Appox 5kg

BWRCD

Dimensions: 1.85m x 70cm x 5cm. Appox 4kg

BWRCDN

Frame Reducers

BWFR

Frame Reducers are used to reduce the width of the doorway when a narrow door is being used or when smaller openings are required. (Pair)

Dimensions: 1.95m x 15cm x 25cm.

Weight approx.: 5kg (Pair).

Photo shows frame reducers in conjunction with a narrow cell door.



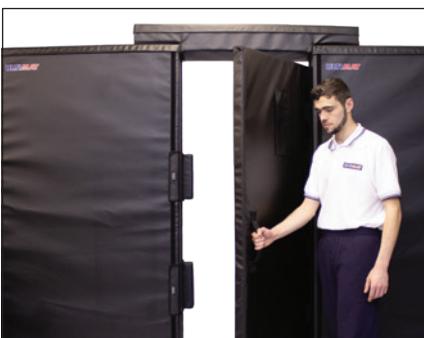
Door Handle Wraps

BWDHW

Within a Black Wall System layout that has multiple doors, instructions are often given to enter certain rooms. These coloured Door Handle Wraps for Black Wall Door Handles are easily attached or removed within seconds and allow rooms to be distinguished from each other.

Dimensions: 18cm x 13.5cm x 2mm.
Weight approx.: 10g.

Supplied in a pack of 10: 2 x Red, 2 x Blue, 2 x White, 2 x Yellow and 2 x Reflective colour.



Stop Right Now!

Black Wall doors have always had the flexibility to open both inwards and outwards, however with this simple door stopper, doors can be prevented from either opening inward or outward depending on your requirement.

The door stopper can be applied to either a wall or pillar module.

Door Stopper

BWDS

This door stopper can prevent a door from either opening inward or outward depending on your requirement. The door stopper is applied to either a wall or post module when required and simply removed when not. Supplied in pairs.

Please note that the Door Stopper will not work with Frame Reducers purchased before October 2019, all frame reducers purchased after this date are compatible with the Door Stopper.

Dimensions: 34cm x 27cm x 6cm.
Weight Approx.: 0.6kg.



Black Wall System Links

BWSL

Black Wall System links are used to tie the top of your Black Wall System components together by placing across adjoining modules to add additional strength to the structure.

Dimensions: 20cm x 20cm x 3mm.
Weight approx.: 75g.



Clear PVC Window

BWCW

Clear PVC windows create a physical barrier between rooms whilst still allowing observation to take place.

Dimensions: 1mx75cmx2mm.



Black Wall Target Hanger

BWTTH

Both qualifying and scenario targets can also be used within the Black Wall system by utilising the Black Wall Target Hanger, when training with CED's or marker rounds.

The Target Hanger has a flap to the top that allows the hanger to be positioned anywhere within your Black Wall layout. The targets are then positioned onto the Black Wall Target Hanger in the same way as they would be on to the Target Boards.

The Target Hanger not only allows you to position targets within the Black Wall system, but also helps to reduce the number of barbs striking the Black Wall modules. The Target Hanger is also reversible providing an incredible amount of usage from one hanger.

Dimensions: 1.95 x 1m x 2.5cm.

Weight approx.: 3kg.

THE BLACK WALL BACKWALL SYSTEM

Floor Mat

BWFM

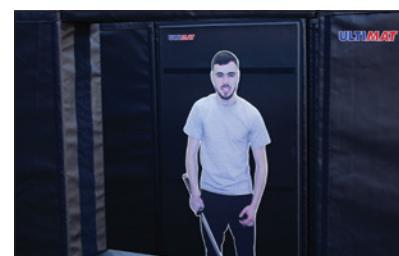
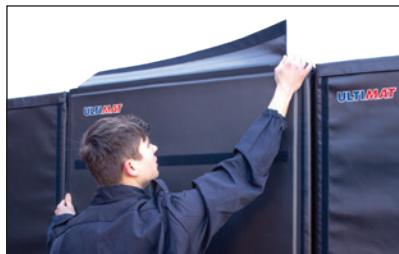
An essential component of the Black Wall System setup. The floor mat can be used for multiple purposes such as unstable floor surfaces, take down areas or a safety mat when someone is climbing through a window.

Dimensions: 2m x 1m x 7.5cm.

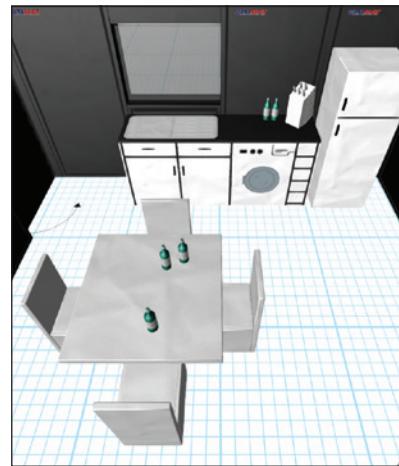
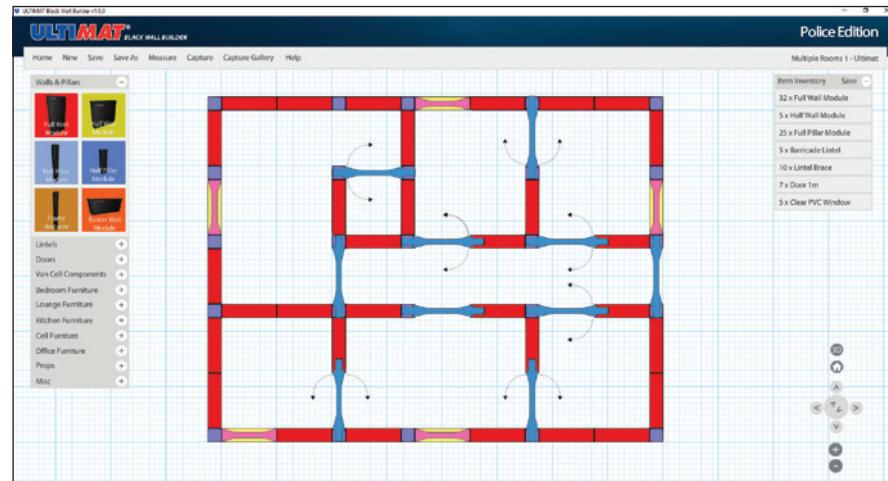
Weight approx.: 8kg.



Once you have decided where you would like to position a target in your Black Wall System layout, simply attach the Black Wall Target Hanger by folding the flap over the top of a Full Wall Module.

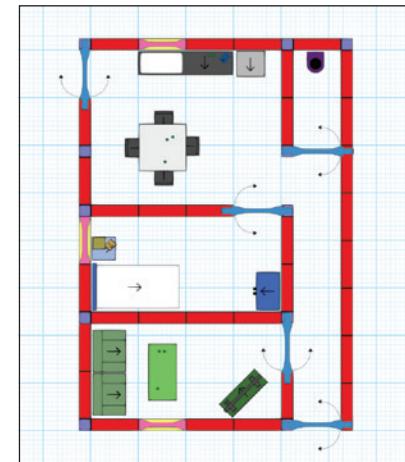


Any of our lifesize qualification and scenario targets can be easily attached to the Target Hanger. Targets can be changed and/or the Target Hanger can be repositioned very quickly during your scenario training.



Add Scenario Furniture to Suit your Environment

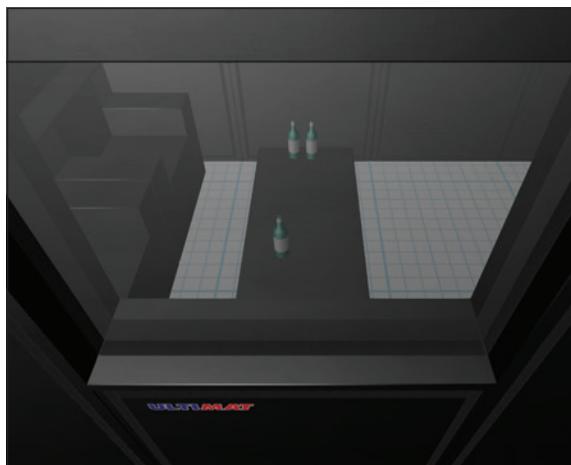
Your Black Wall layouts can also be populated with the Ultimat Scenario Furniture and props, creating realistic training environments, spatial awareness and ensuring items fit in the rooms. Even bottles or knife blocks can be placed on tables or worktops.



Create Your Own Training Environments

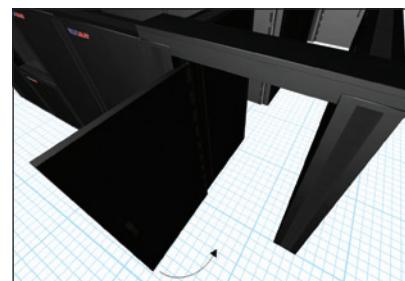
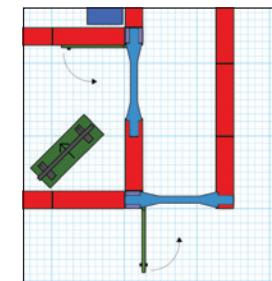
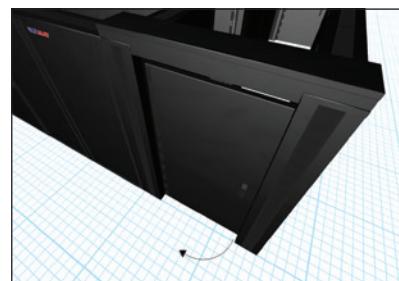
Design with our Full Range of Black Wall Components

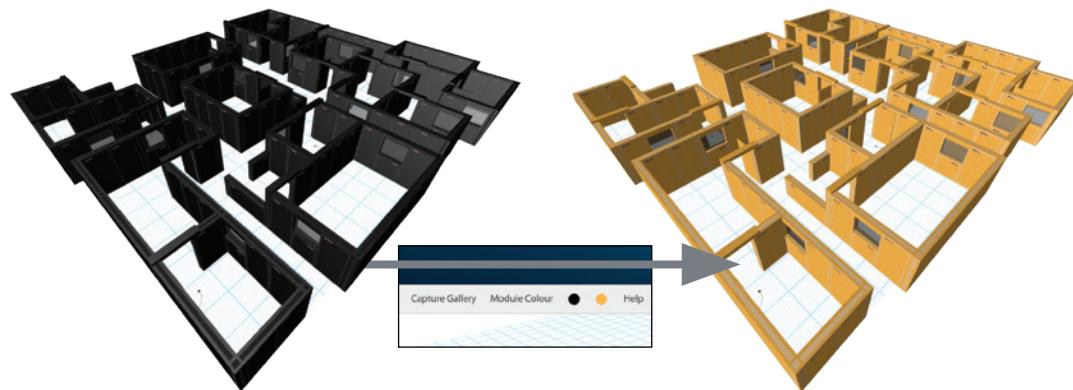
Back Wall layouts can be created and viewed in both 2D and 3D, allowing you to rotate your drawing and view from different angles, giving a true perspective as to how your layout will look once built. With the simple select, click and place method Black Wall Layouts can be created within minutes.



Open Doors and Look Through Windows

Windows can be put in place and looked through. Doors can be hung from either side of an opening, and opened either inward or outward in 2D and 3D.





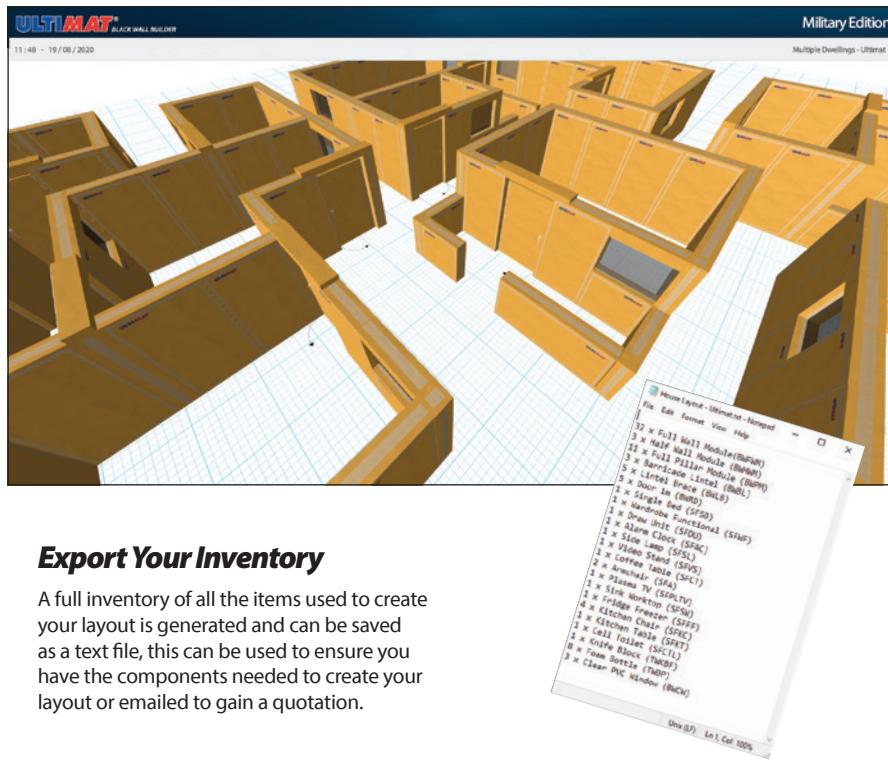
Military Modules

With the ever increasing requirement for realistic training, Black Wall modules are now available to be ordered in our NEW desert colour option.

Designed specifically for the military to replicate training environments found within desert locations throughout the world, this new Black Wall option helps to set the scene and create more familiar surroundings. Anything from

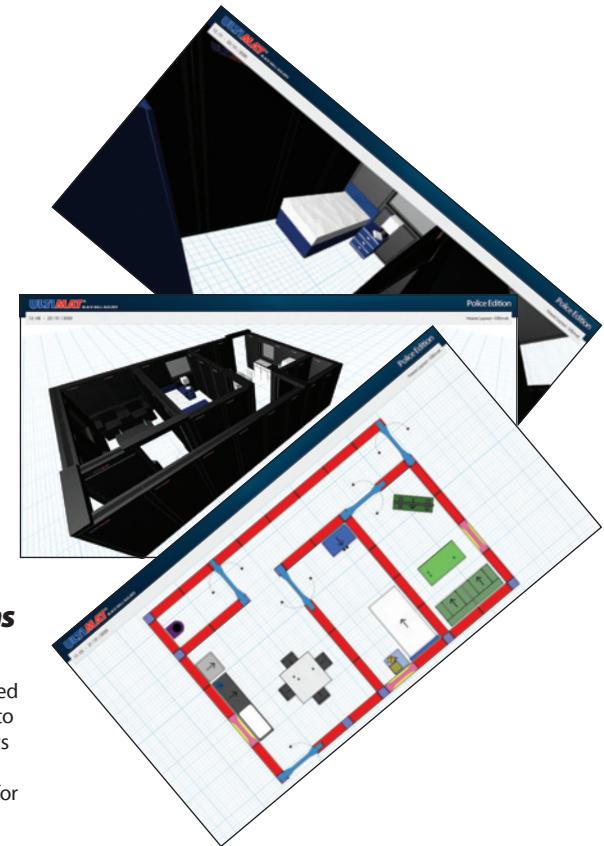
a single room through to multiple dwellings, passageways and alleys can be created allowing soldiers to carry out manoeuvres and searching techniques. As with the standard Black Wall, layouts can be built, changed and dismantled within a short period of time whilst still providing a safe and robust environment to train.

The new Black Wall Builder software now allows you to build your layout in either 2D or 3D (black), but then view your layout in the NEW desert colour once complete.



Export Your Inventory

A full inventory of all the items used to create your layout is generated and can be saved as a text file, this can be used to ensure you have the components needed to create your layout or emailed to gain a quotation.



Save, Email and Print Plans and Perspectives

Designs can be saved, emailed or printed in both 2D and 3D, this allows designs to be passed to colleagues to build layouts or to help form part of a procurement package when putting a case forward for funding.

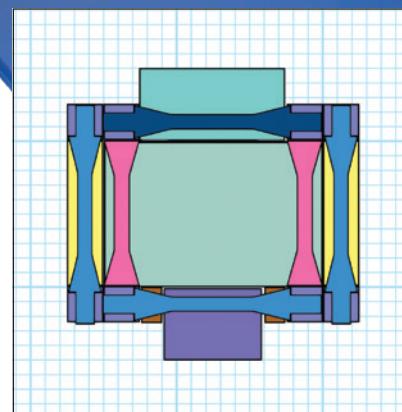


A Stand Alone Portable Application

The Black Wall Builder is a portable application that does not leave any files or settings on your computer, nor affect or alter your computer's registry as it does not require installation. The software comes supplied on a USB memory stick and can be run from it, saving all files to the USB stick making it totally portable for use on a different computer if required, providing piece of mind.

For your FREE copy of Black Wall Builder,
please contact our sales department on telephone:
+44 (0) 1204 576 111.





Van Cell

- A
2 x Half Wall Module 1m x 1m
8 x Pillar Modules 2m x 25cm x 25cm
4 x Battle Blocks 1m x 50cm x 50cm
3 x Lintel/Brace 1.5m x 25cm x 20cm
2 x Barricade Lintel 1m x 25cm x 20cm
1 x Frame Reducers (Pair)
2 x Clear PVC Viewing Window
1 x Black Wall Links (Set of 10)

Battle Block

Essential for creating obstacles and areas that can be climbed on and large blockades.
Dimensions: 1m x 50cm x 66cm or 1m x 50cm x 50cm.
Weight approx.: 13kg.

BWBB

Special Components Required to make a Van Cell:

Van Floor

BWVF

The van floor Velcros to the top of 3 Battle Blocks to form one continuous floor in the Van Cell setup. The van floor also has a flat panel that helps to secure it in place and stop the front edge lifting when entering the Van Cell.

Dimensions: 1.5m x 1m x 4cm.
Weight approx.: 4kg.



Van Step

BWVS

Assists stepping onto the van floor and exactly replicates the step of a real van cell.

Dimensions: 68cm x 50cm x 20cm.
Weight approx.: 3.5kg.



Special Lintel

BWSLB

Similar to the lintel/brace, the special lintel is used across doorways and windows and has additional Velcro to hold the clear PVC curtains in place.

Dimensions: 1.5m x 25cm x 15cm.
Weight approx.: 3kg.



Clear PVC Curtains

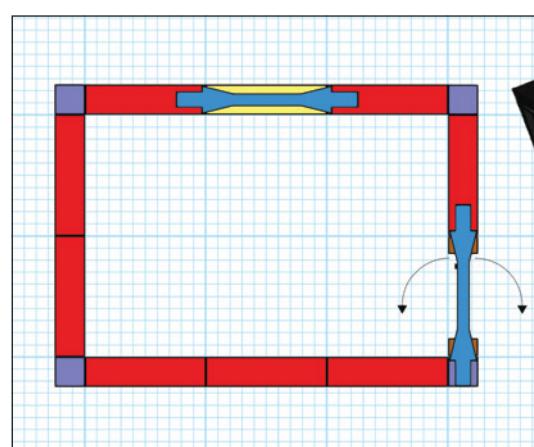
BWCC

Creates a barrier either side of where the internal van door would be. They are made from PVC which allows for an uninterrupted view for instructors and other students.

Single Cell

B

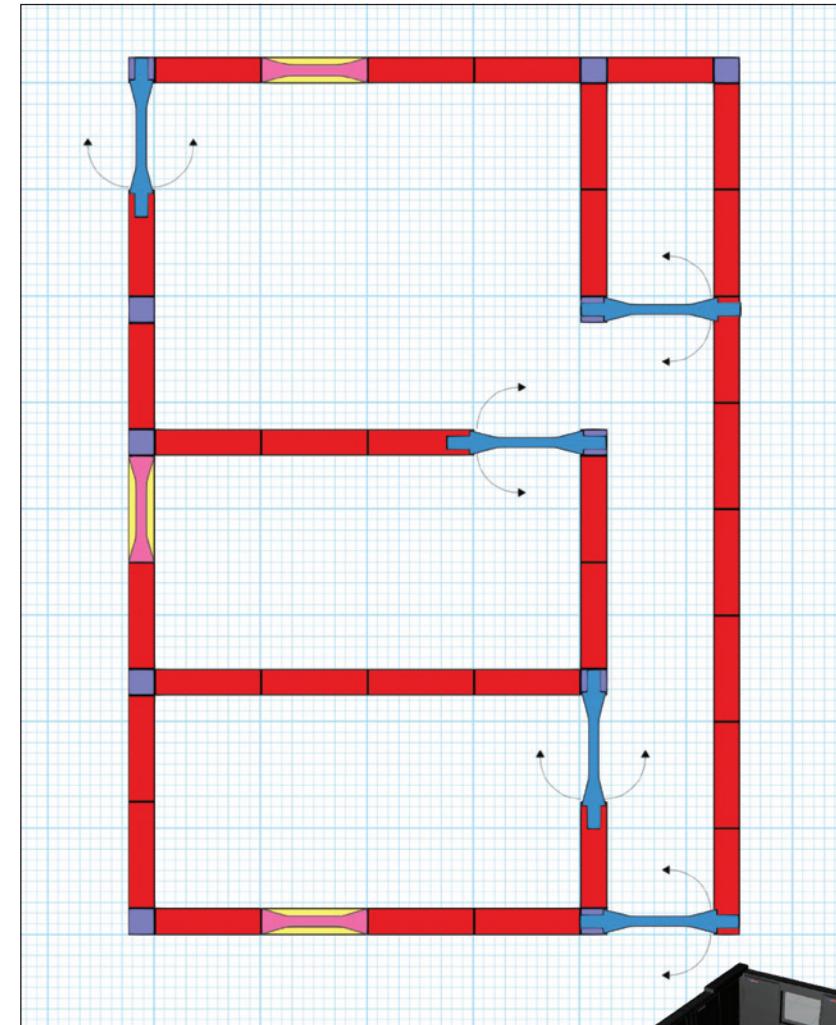
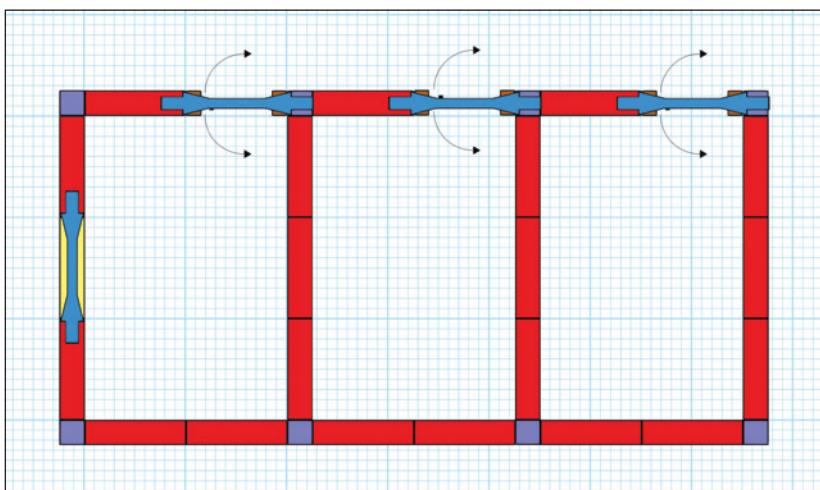
- | | |
|-------------------------------------|-------------------------------------|
| 8 x Full Wall Modules 2m x 1m | 2 x Lintel Brace 1.5m x 25cm x 20cm |
| 1 x Half Wall Module 1m x 1m | 1 x Clear PVC Viewing Window |
| 4 x Pillar Modules 2m x 25cm x 25cm | 1 x Black Wall Links (Set of 10) |
| 1 x Narrow Reversible Cell Door | 1 x Frame Reducers |



Adjoining Cells

C

- | | |
|-------------------------------------|-------------------------------------|
| 20 x Full Wall Modules 2m x 1m | 4 x Lintel/Brace 1.5m x 25cm x 20cm |
| 1 x Half Wall Module 1m x 1m | 1 x Clear PVC Viewing Window |
| 8 x Pillar Modules 2m x 25cm x 25cm | 3 x Black Wall Links (Set of 10) |
| 3 x Narrow Reversible Cell Door | 3 x Frame Reducers |



House Layout

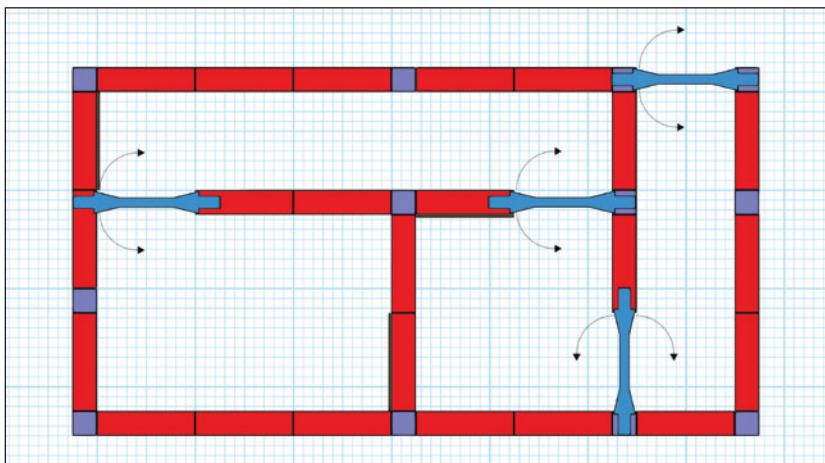
D

- | |
|---------------------------------------|
| 32 x Full Wall Modules 2m x 1m |
| 3 x Half Wall Module 1m x 1m |
| 11 x Pillar Modules 2m x 25cm x 25cm |
| 5 x Reversible Door |
| 5 x Lintel Brace 1.5m x 25cm x 20cm |
| 3 x Barricade Lintel 1m x 25cm x 20cm |
| 3 x Clear PVC Viewing Window |
| 5 x Black Wall Links (Set of 10) |



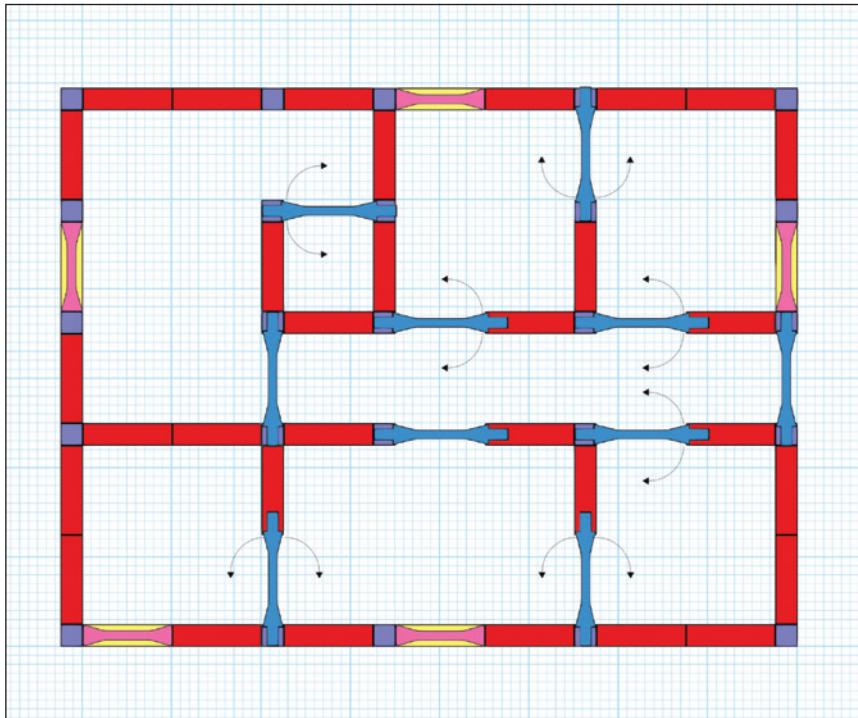
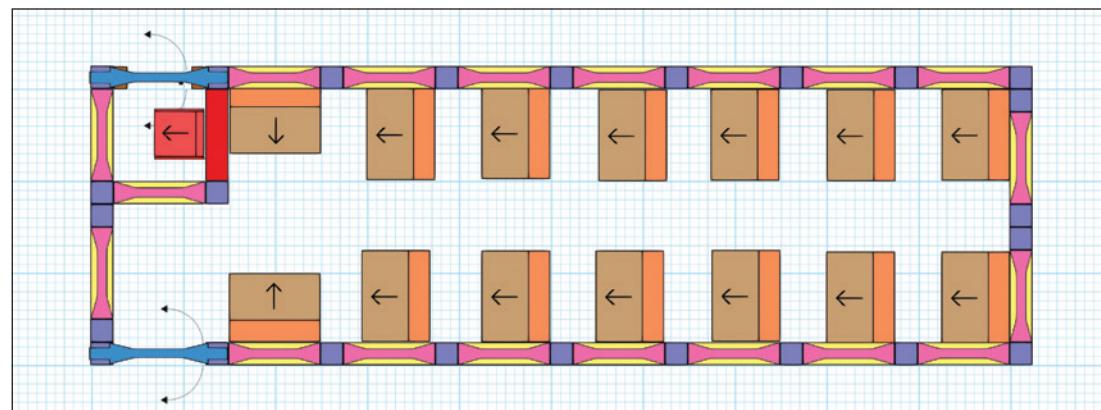
Room, Corridors and Black Wall Target Hangers

E 24 x Full Wall Modules 2m x 1m	4 x Lintel Brace 1.5m x 25cm x 20cm
12 x Pillar Modules 2m x 25cm x 25cm	3 x Black Wall Target Hangers
4 x Reversible Doors	4 x Black Wall Links (Set of 10)



Bus Layout

F 1 x Full Wall Module 2m x 1m	1 x Door 1m
19 x Half Wall Module 1m x 1m	14 x Bench/Train/Bus Seating
25 x Pillar Modules 2m x 25cm x 25cm	18 x Clear PVC Viewing Window
1 x Frame Reducer	1 x Aircraft Seating
19 x Barricade Lintel 1m x 25cm x 20cm	1 x Aircraft Seating Arm
2 x Lintel Brace 1.5m x 25cm x 20cm	5 x Black Wall System Links (Set of 10)
1 x Door 70cm	



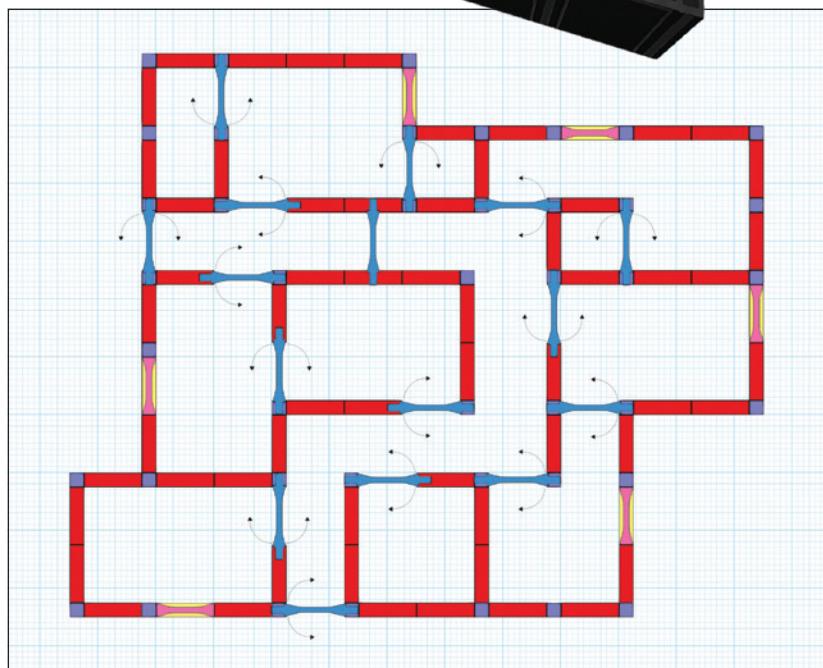
Multiple Rooms 1

G 32 x Full Wall Modules 2m x 1m	10 x Lintel/Brace 1.5m x 25cm x 20cm
5 x Half Wall Module 1m x 1m	5 x Barricade Lintel 1m x 25cm x 20cm
25 x Pillar Modules 2m x 25cm x 25cm	5 x Clear PVC Viewing Window
7 x Reversible Doors	6 x Black Wall Links (Set of 10)



Multiple Rooms 2

H	59 x Full Wall Modules 2m x 1m	16 x Lintel/Brace 1.5m x 25cm x 20cm
	6 x Half Wall Module 1m x 1m	6 x Barricade Lintel 1m x 25cm x 20cm
	43 x Pillar Modules 2m x 25cm x 25cm	6 x Clear PVC Viewing Window
	15 x Reversible Doors	10 x Black Wall Links (Set of 10)



Train Carriage Layouts

I	The same items can be used to create either carriage layout.	14 x Barricade Lintel 1m x 25cm x 20cm
	12 x Full Wall Modules 2m x 1m	3 x Lintel/Brace 1.5m x 25cm x 20cm
	14 x Half Wall Module 1m x 1m	4 x Multi Point Lintel
	28 x Pillar Modules 2m x 25cm x 25cm	19 x Bench/Train/Bus Seating
	5 x Narrow Reversible Door	14 x Clear PVC Viewing Window
	5 x Frame Reducers	2 x Cell Toilets
		5 x Black Wall System Links (Set of 10)



Black Wall System Layouts

These featured layouts are only a small selection of our most popular configurations.

Our modular Black Wall System is extremely versatile and can be set out to meet any of your spacial requirements. We offer a full bespoke design service which is tailored to your exact needs. Any scenario space can be created according to your specification.

Please contact us for further information. We look forward to working with you to create your perfect training environment.

Populating your Black Wall System with life-size, functioning, and robust furnishings really brings your scenario training into the 21st century.

'Setting the scene' enables you to deliver to your students the very best experience in dynamic hands-on reality training, whilst minimising risk by providing them the very safest of environments within which to learn and practise their skills.

What are the Options?

Create bedrooms, living rooms, kitchens, offices, cells and much more.

B Block Furniture

There are two designs of furniture, the first is a solid block of foam which is covered with a hygienic, strong and tear-resistant PVC cover. Graphics are applied to the exterior of block furniture to give a lifelike representation but they do not function, i.e doors, draws etc. do not open.

Each item is true to life for size and extremely safe. They can be knocked over or lay down and climbed upon repeatedly even in operational footwear.

All foams used in block furniture are British made and conform with current UK F/R regulations.



Set the Scene with our Safe Scenario Furniture



F Functional Furniture

The second type is 'breakaway' or 'functional furniture'.

This unique design offers combinations or all of the following (dependent upon the particular item): the ability to open and remove doors, breakaway shelves, completely breakdown and rebuild the item for 'angry man' scenarios, hide items in the Velcro hide areas. Functional furniture offers the ability to dismantle and rebuild to another item, link two or more together to make bigger or new items of furniture.

As with the block furniture each item is true to life for size. Ultimat functional furniture is currently in use in many law enforcement establishments throughout the UK and has been the scenario furniture of choice for M.O.D. and foreign law enforcement including US Homeland security and the Lebanese government.

The furniture has been satisfactorily tested with live ammunition 9mm and 5.56mm NATO. The foams and covers react well and don't leave large exit holes, thus extending the life of the furniture in these training situations. Furniture for ballistic training is supplied with smooth covers to reduce the amount of powder residue left behind after cleaning.

Alarm Clock

SFAC

B

PVC covered foam block including graphics of LED time.

Dimensions: 5cm high, 20cm wide, 18cm deep.



Wardrobe

B

SFWB

PVC covered foam block including graphics showing 2 doors and handles.

Dimensions: 180cm high, 80cm wide, 50cm deep.



Wardrobe

SFWF

F

Functioning doors and shelves with Velcro hiding areas. Breakaway doors, sides, back and shelves velcro back together again and again.

Dimensions: 184cm high, 80cm wide, 50cm deep.



Draw Unit

B

SFDU

PVC covered foam block including graphics showing three drawers.

Dimensions: 55cm high, 50cm wide, 50cm deep.



Side Lamp

B

SFSL

PVC covered foam block with imitation shade.

Dimensions: 43cm high, 27cm wide, 27cm deep.



Single Bed

F

SFSB

Base, mattress and headboard with Velcro hiding areas.

Dimensions: 6ft long, 3ft wide, 21" high.

Headboard: 100cm x 80cm x 4cm.

Armchair

SFA

F

Breakaway arms and back, hidden flaps for search concealments, can link with second or third chair to make 2 or 3 seater settee.

Dimensions: 86cm high, 90cm wide, 70cm deep.



Coffee Table

SFCT

F

Two piece construction. Table top is removable from the support base. Velcro hiding area under the top section.

Dimensions: 43cm high, 120cm wide, 60cm deep.



DAB Radio

B

SFDAB



PVC covered with graphic buttons and a webbing handle.

Dimensions: 15cm high, 25cm wide, 10cm deep.



Plasma TV

B

SFPLTV

Wall mount or free-standing, with Velcro hiding area and graphics of screen and switches.

Dimensions: 60cm high, 106cm wide, 5cm deep.

Video Stand

B

SFVS

Block with graphics of video games console etc can be used as stand for TV and other items.

Dimensions: 50cm high, 106cm wide, 40cm deep.



Kitchen Chair F

SFKC

Full-size kitchen chair. Seat can be removed from back and double up as a side table.

Dimensions:
85cm high,
40cm wide,
44cm deep.



Kitchen Table F

SFKT

Kitchen table with rip-off table top and Velcro hide area under top.

Dimensions: 70cm high, 100cm wide,
100cm deep.

Sink/Worktop F

SFSW

Kitchen work top with sink graphics, washing machine and cupboards.

Dimensions: 90cm high, 200cm wide, 50cm deep.



Knives and Block Full Set

TWKBF2

This new knife block is manufactured using a number of materials and technologies. Constructed using a 4mm UPVC tube encased in various types of foam, internally utilising a 3D printed blade guide system, and finished in a polyester case giving it both a ridged yet soft feel. The knife block comes complete with a rubber Butchers Cleaver, Bread Knife, Carving Knife, Slicing Knife and Chef's Knife.

Dimensions:
Height 40cm,
Diameter 21cm.
Weight approx.:
2.5kg.
Colour: Black.



Bottle

Foam bottles are ideal for scenario training and can be supplied as a full bottle or broken bottle.

Size approx.: 26cm x 7cm x 7cm.
Weight approx.: 142g.

Finish options:
Plain or painted
label.



Fridge Freezer B

SFFF

PVC covered foam block including graphics showing two doors and handles.

Dimensions: 160cm high, 60cm wide, 55cm deep.

Cell Chair

SFCC

F

Full-size chair. Seat can be removed from back and double up as a side table.

Dimensions: 85cm high, 40cm wide, 44cm deep.



Cell Cupboard

F

SFCCB

Cell cupboard with shelving. Manufactured to the same dimensions as found in the new Titan prisons.

Dimensions: 100cm high, 70cm wide, 45cm deep.



Cell Toilet

SFCTL

B

Cell Toilet PVC covered block.

Dimensions: 40cm high, 36cm wide, 45cm deep.



Cell Desk

F

SFCD

The cell desk is manufactured to the same dimensions as found in the new Titan prisons. It can be used in conjunction with the office chair.

Dimensions: 75cm high, 70cm wide, 45cm deep.

Cell Bed

SFCB

F

Base, mattress and headboard with Velcro hiding areas.

Dimensions: 200cm long, 70cm wide, 60cm high.



SFFCL

Filing Cabinet Large

B

PVC covered foam block including graphics showing four draws.

Dimensions: 130cm high, 50cm wide, 60cm deep.



SFFCS

Filing Cabinet Small

B

PVC covered foam block including graphics showing two draws.

Dimensions: 65cm high, 50cm wide, 60cm deep.



SFOD

Office Desk

B

Large office desk with leg space and Velcro hiding areas including graphic doors and draws.

Dimensions: 75cm high, 155cm wide, 70cm deep.



F

SFOC

Office Chair

Full-size chair. Seat can be removed from back and double up as a side table.

Dimensions: 85cm high, 40cm wide, 44cm deep.



Portable TV

B

SFPOTV
PVC covered foam, block including graphics showing screen and switches.

Dimensions: 35cm high, 35cm wide, 35cm deep.



Miscellaneous Furniture



Tall Customs Desk

F

SFTCD
This desk is designed to replicate a passport or customs desk found at a port or airport. The desk can be used as a standalone item or built into a small Black Wall layout replicating a passport booth.

Dimensions: 1.25m high, 70cm wide, 45cm deep.
Weight approx.: 7kg.



Bench/Train/Bus Seating

F

SFBS
Bench/train/bus seating is a PVC covered block. They can be joined with others, either side by side or back to back.

Dimensions: 100cm long x 75cm deep x 100cm high.
Weight approx.: 25kg.



Flat Bench

F

SFFB
Large flat benches can be used for multiple applications such as waiting room or classroom seating. These flat benches are also ideal to be used as seating in Dojos to remove the possibility of damaging mats. Manufactured from heavy duty PVC.

Dimensions: 2m x 50cm x 50cm.

Now Boarding!

With more incidents occurring on planes and prisoners being transferred on aircraft, more realistic training for police and prison response teams is being required. With the aid of the new scenario aircraft seating and the Black Wall System, aircraft of any size can be replicated in both size and seating layout providing a safer yet lifelike environment. The seats can be configured as standalone or in rows of two, three, four or more seats depending on the aircraft layout.



Aircraft Seating

F

SFACS

Aircraft Seating is supplied as an individual seat with one armrest that can be attached to either the left or right side of the chair. Multiple seats can be joined together using the integrated Velcro allowing for two, three, four or more seats to be joined in a row.

Dimensions: 125cm high, 53cm wide including armrest, 54cm deep.



A channel runs from the back to front that allows for hand cuff or ankle cuff straps to be passed underneath the seat for certain prisoner restraints.

Cuffs and straps not included.



Aircraft Seating Single Armrest

F

SFACSA

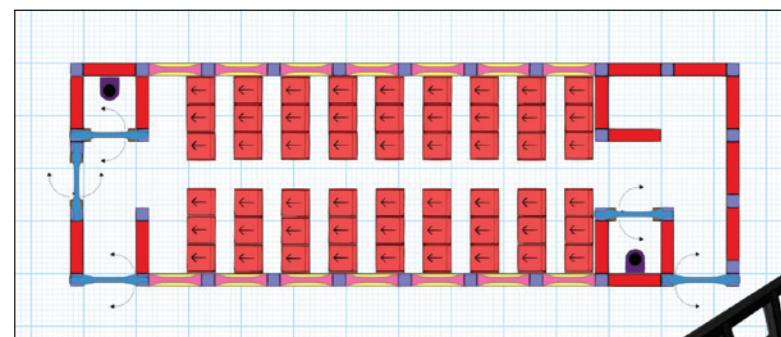
To allow the final seat in a row to be finished off with an armrest either side.

Dimensions: 70cm high, 54cm wide, 3cm deep.

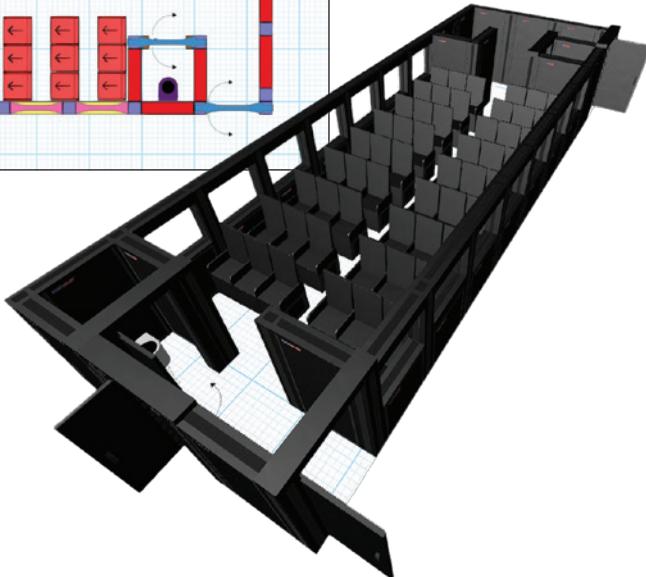


Easily Create Aircraft Training Environments

The sky's the limit with our Black Wall Builder software. Design your aircraft training environment to the exact specification you require.



BLACK WALL
BUILDER



Ultimat Defence Ltd are the market leaders in the design, manufacture and installation of Dojo training rooms supplied directly to many HMP, PSC, police, NHS, military and private sector establishments worldwide.

After much dialogue with various self-defence trainers, it was found that many training environments were fitted without any prior input or feedback from the end user. Many of these rooms were fitted by companies which may have had little or no experience on what was actually expected from a self-defence room.

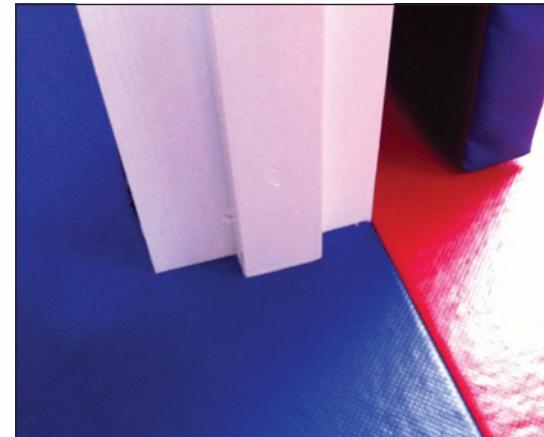
Instead they fitted rooms based upon knowledge drawn from gymnastic or sport backgrounds. As a consequence, in many circumstances Ultimat found Dojos to be of inadequate specification and trainers having to adapt or amend their training practise.

Ultimat's aim is to supply equipment that is specially designed for the job in hand. Previously most Dojos used gymnastic mats or judo mats. Ultimat have researched and developed specialist materials and carefully designed mats for law enforcement establishments, selecting and blending the best materials and manufacturing processes.

Ultimat's floor mats, safety wall padding and other training products benefit from:

- Improved impact absorption - less stress to ankles, knees and impact incidents
- More life-like feel to floor areas - no more soft spongy floors
- Ability to use regular footwear - with only cosmetic damage
- Longer life expectancy - of the rooms both dojos and VP cells
- Capability to deal with live tools - such as riot shields and handcuffs with minimum impact on the Dojo

In addition to Ultimat's unequalled quality and workmanship, you will have the opportunity of working with our team to design a custom facility that delivers exactly what you need. Ultimat Defence are unique in that we have extensive knowledge and experience of specialist mats and wall padding for Dojos and cell areas. We also



Key Features and Bespoke Fitted Products

Ultimat's staff pride themselves in delivering the highest quality equipment and providing an unrivalled customer service record. In order to achieve this, we tailor to our customer's individual needs and produce all custom-sized and bespoke shaped panels on site, setting up our mobile production equipment.

Some of our key features and bespoke fitted products available on request include the following:

- Padded window frames
- Padded doors and handles
- Socket or utility access panels
- Padded whiteboards
- Window frosting
- Instructor warning signage
- Corner strike stations
- Removable wall panels for cleaning
- Rubber-coated anti-slip base on mats
- Polycarbonate cell window replacement
- Intricate shape cutting capability on floor mats
- Life-size scenario training targets
- Padded scenario training furniture
- Black Wall free-standing modular wall system

Bespoke Dojo Design, Manufacture and Installation

design and manufacture the very best officer safety equipment which is employed during the day to day use of these areas. This includes the UK's best range of training suits for both instructors and students, striking equipment such as punch pads, strike stations and baton shields, and not forgetting specialist items such as movable walls, CED training lanes and Ultimat Reactive Targets.



Traing Room Graphics

With all Ultimat Dojos, graphics can be applied to the wall padding, often eliminating the need to attach large posters to the wall padding with the statements of safe words written on them, as often seen. Using this method the walls can be used for training without the worry that the graphics will come off. Instructions along with safe words and statements are available and can be positioned where requested on site. These graphics are installed at no additional cost when purchasing a Dojo and installed by Ultimat. Custom text can be produced upon request at additional cost.



Door Padding

Doors within training environments often cause one of the greatest hazards, with the danger of either falling through a door, someone opening a door into the dojo, or the door handles and viewing panels themselves presenting a danger. By padding all or a large proportion of doors within a dojo will help to reduce the risk of injury, however not all areas of the door can be covered due to handles, viewing panels and hinges etc.



Post Protectors

Post protectors can be manufactured to fit any size of post or half post and can be used in dojos, sports venues or as a health and safety solution. All of our post protectors are made to a standard 2 metres high and 50 millimetres thick and constructed using a heavy-duty PVC cover. These can be supplied and form part of a dojo, or for a quotation simply provide us with accurate post dimensions and the height you require.



Wall Padding

Wall padding manufactured by Ultimat is supplied as standard at 2 metres in height, 1 metre wide and 50 millimetres thick. This wall padding is manufactured in a strong PVC case with a Velcro grid system stitched to the rear which allows the removal of panels for deep cleaning or to be removed should the venue need to be relocated. In addition to standard wall padding panels, custom-sized panels are manufactured on site or to dimensions provided. This allows for wall padding to perfectly fit a room or manufactured to fit around windows or other objects that cannot be repositioned.



Padded Whiteboard

The dry wipe padded whiteboard eliminates the need for free-standing whiteboards or unprotected walls, where dry wipe whiteboards are needed. The new dry wipe padded whiteboard is designed to fit into any new or existing Ultimat wall padding installation, allowing you to position your whiteboards where you want, and with the knowledge that it gives you the same level of protection as any other Ultimat standard wall padding. The dry wipe padded whiteboard has an additional clear PVC covering that allows you to write on it using dry wipe whiteboard markers. The ink simply wipes off using either a cloth or whiteboard eraser. The padded whiteboard also comes with a marker pen holding pouch. Replacement clear PVC covers and pen holding pouches can be purchased separately.





Home Office

This Home Office Dojo must be the highest in the country as it is situated on the 21st floor and boasts what must be the best view from a Dojo anywhere in the country. Over 100sqm of heavy-duty control and restraint matting were installed and three walls covered with Ultimat's wall padding, all designed to be used with outdoor footwear and training aids.

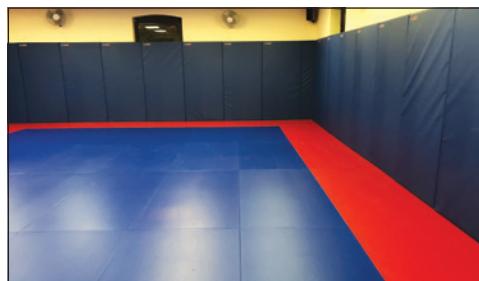
In addition to the Dojo, a large amount of Black Wall was also purchased in order to perform the following roles, the first being able to construct various close spaced training environments, and secondly to form a temporary wall in front of the windows when baton training takes place. Four large flat benches were also supplied to form seating for up to sixteen people.



Border Force

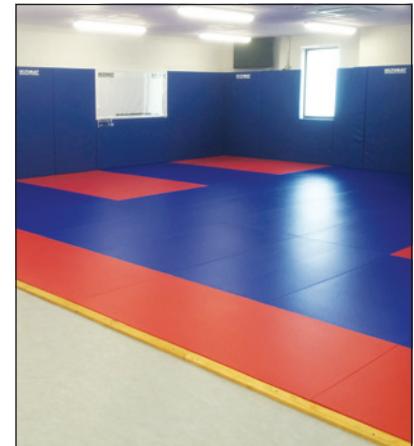
This Dojo replaces an old and tired Dojo with multiple types of floor mats and wall padding. Over 100m² of heavy-duty control and restraint floor mats incorporating a red border around the perimeter of the Dojo, and both standard and custom made wall padding on all walls and doors have been installed, providing the customer with a room that can be used for all aspects of officer safety and control and restraint training. In addition a padded cell area off the main room has also had floor mats and wall padding installed, allowing for seamless movement from the cell into the main Dojo.

This venue already has the Black Wall System which along with the new Dojo delivers the perfect training environment.



Prison Venue

This new build, forms part of a state-of-the-art training facility at one of the new Titan prisons. With a large main area leading into a replica cell constructed in one corner of the room, heavy duty control and restraint matting was fitted throughout including 3m x 2m red areas to represent a cell floor. All walls within the Dojo and cell were covered in wall padding and the addition of a Ultimat padded whiteboard. The cell was also populated with our range of scenario cell furniture and a custom-made wall mounted sink was also installed.



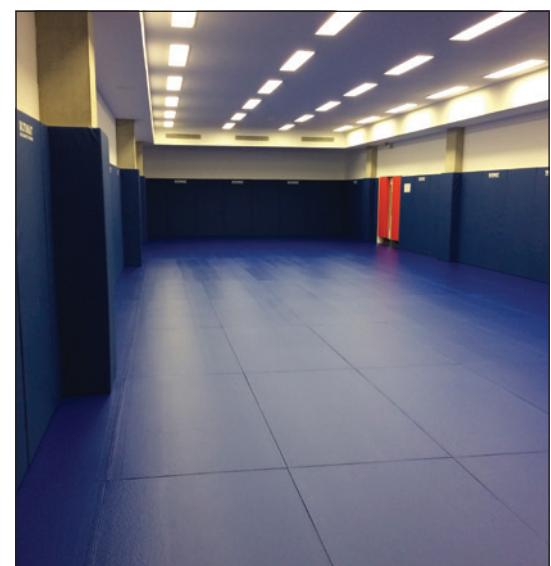
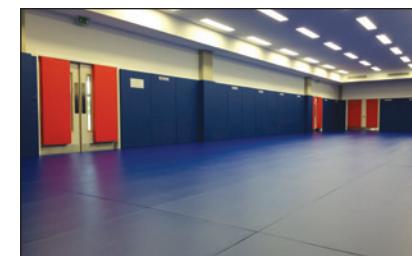
Prison Training College

This prison venue now boasts three Dojos with this new addition. With over 125sqm of heavy-duty control and restraint matting, including the cell constructed in one corner, this site is designed for medium to heavy duty training with outdoor footwear. All walls within the Dojo and cell have standard and custom-made wall padding, an Ultimat padded whiteboard was also installed.



Police Venue

This police Dojo forms part of a new build training facility. With over 200sqm of heavy-duty control and restraint matting and with all four walls padded, this Dojo is able to withstand a medium to high amount of training using outdoor footwear. As well as the walls, both double doors and cupboard doors were also padded in red to highlight a danger and reduce the risk of injury.





Designing Rooms?

In order to get your new training room underway we offer a number of services, just choose how you want to proceed and leave the rest to us...

Buy and Self Fit

Simply tell us the quantity and colour of floor mats or safety wall panels you require, we will make them for you and deliver them direct to your facility.

Our standard size C&R floor mats are 2m x 1m x 40mm, 1m x 1m x 40mm. Safety wall padding is 2m x 1m x 50mm, other bespoke sizes are available.

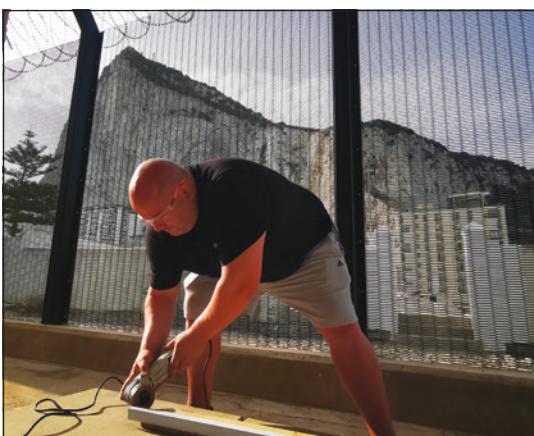
Assisted Design and Self Fit

Speak to our sales representative and brief him on your needs then send us a drawing of the room you want fitting out or refurbishing. You will need to supply a plan of the overall area along with measurements and photographs, including any details such as doors, windows and pipe work etc.

We can then supply an estimate based on your information. If you then wish to proceed to a full design and build service then that option is still open or we can carry on to completion based on your details and measurements supplied.

Design and Bespoke Fitting

We can arrange for a site visit and consultation during which we will survey and discuss options available, including any building work that may need undertaking.



A plan of action will be drawn up and working drawings, plans and time scales developed.

There is a charge for this service, if the project is successful and results in the order been placed with us, then the cost of the design service will be deducted from your final invoice.

Large Projects and New Builds

If your dojo is part of larger project then we can help. Ultimat have worked on dojo projects with some of the biggest construction companies in the UK. Ask your

contractor to contact us for more information about how we can help.

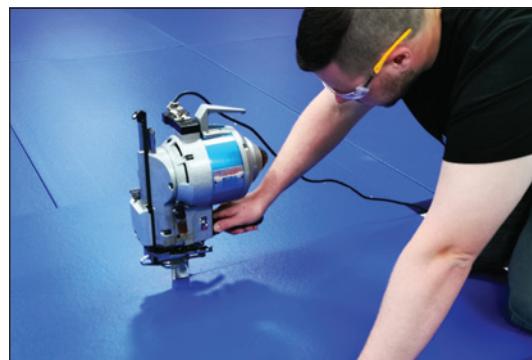
Factory Visit

Whilst under normal circumstances we always welcome customers to our factory. However due to Covid-19 and the current restrictions, we have temporarily suspended this option.

We hope that in the near future we will be taking bookings for factory visits, in the meantime if you wish to discuss your requirements, please do not hesitate to contact our sales department, telephone +44 (0) 1204 576 111.

Mobile and Temporary Dojos

Ultimat have a range of mobile training solutions, if you require easy moving and setting up options then we have the answer whether you are moving from venue to venue or don't have the luxury of a permanent training area, our mobile mats are the perfect answer. We have several sizes of mat and we even have a 'dojo in a bag' that can be transported by one person in an estate car or small van.





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