



STANDARD MESH SURFACE

This is a self-draining, expanded metal mesh platform that allows water to pass through rather than puddle on the surface and potentially freeze.



It is manufactured from rustproof galvanised steel. Galvanising is a process where a protective coating of zinc is applied to prevent rusting and moss growth.

WIDTHS AVAILABLE:

- **900mm** – the recommended width for dwellings under Document M, Section 6 of the Building Regulations.
- **1000mm** – our standard size for dwellings.
- **1200mm** – our slightly wider ramp.
- **1500mm** – the recommended width for ramps for public buildings.

Any of the above can be secured together to create almost any width.

SUITABILITY

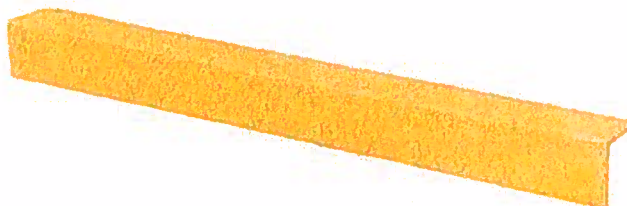
This solution is utilised when the need for Rubber Crumb or GRP is unnecessary.

Yellow tread strips can also be added to aid visually impaired users in distinguishing the nose of the ramp, step, or level change.



MAINTENANCE REQUIRED

Very little maintenance is required. We recommend that the walkway be swept to keep dirt away and suggest wiping down the handrails with soapy water twice a year.



Entry - VR Panel

System specifications

Maximum total tokens/users - Standalone	100 card packs (up to 5,000 tokens/users)
Power over Ethernet (PoE)	Yes - IEEE 802.3af class 0
Ethernet bandwidth requirement	1Mb/s multicast per panel during call
Panels per system	100
TCP/IP ethernet extension limit	100m/328ft
Cable type	CATS
Token compatibility	Paxton, EM4100/02, MIFARE®, MIFARE® Classic, MIFARE® DESFire® EV1, MIFARE Plus®, MIFARE Ultralight®, MIFARE Ultralight C®, MIFARE Mini®, HID® Prox (activation required)

Features

Audio system	Two way
Camera system	Full colour
Back-lit LCD	Yes
PIN/Code entry	Yes - only in conjunction with Net2 software & Paxton10
Bluetooth® compatibility	Yes - only in conjunction with & Paxton10
Bluetooth modes	'Token mode' - (Present credential to reader) 'Touch to enter' - (Smart credential or Hands free Keyfob in pocket) 'Long range' - (Smart credential or Hands free Keyfob (Up to 10m)) 'Bluetooth off'
Proximity entry	Yes
Vandal resistant	Yes
IDC connector	Optional
Colour	Stainless steel

Environment

Operating temperature	-20°C - +50°C -4°F - +122°F
Moisture resistance	IPX5
Vandal Resistance	IK10

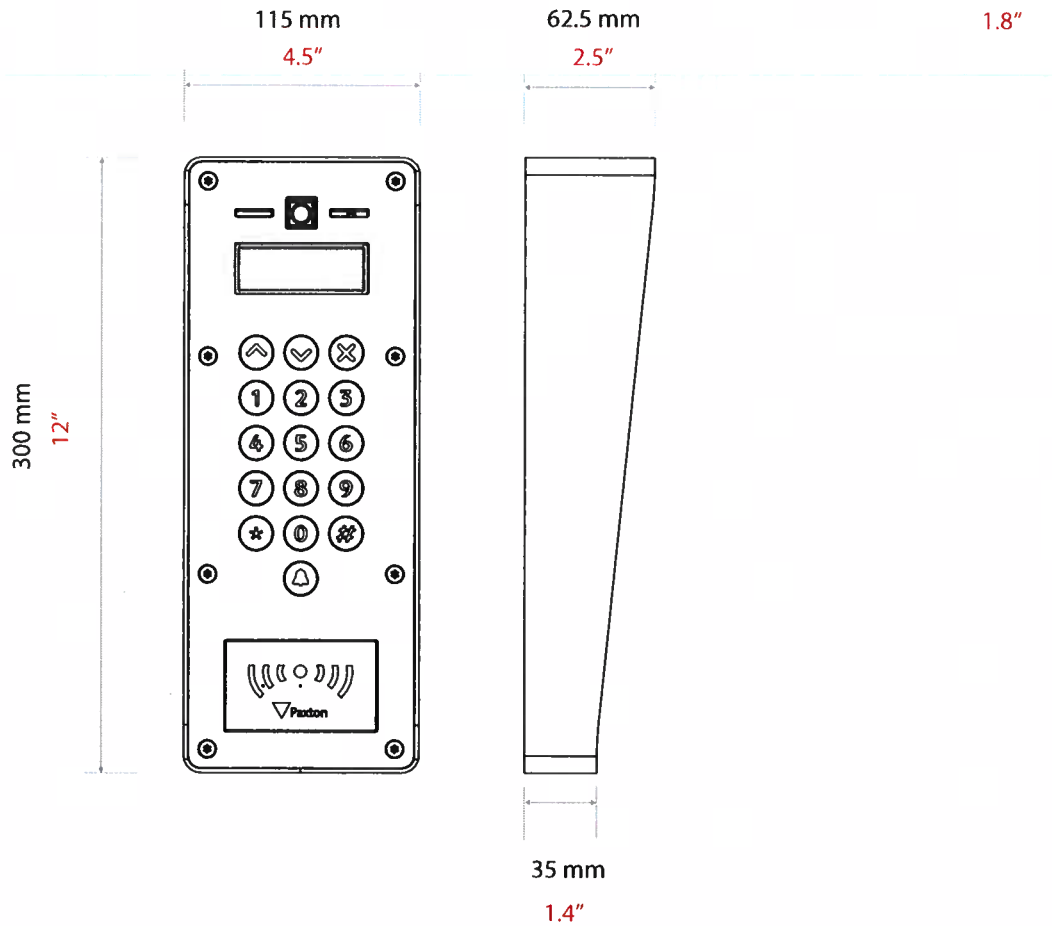
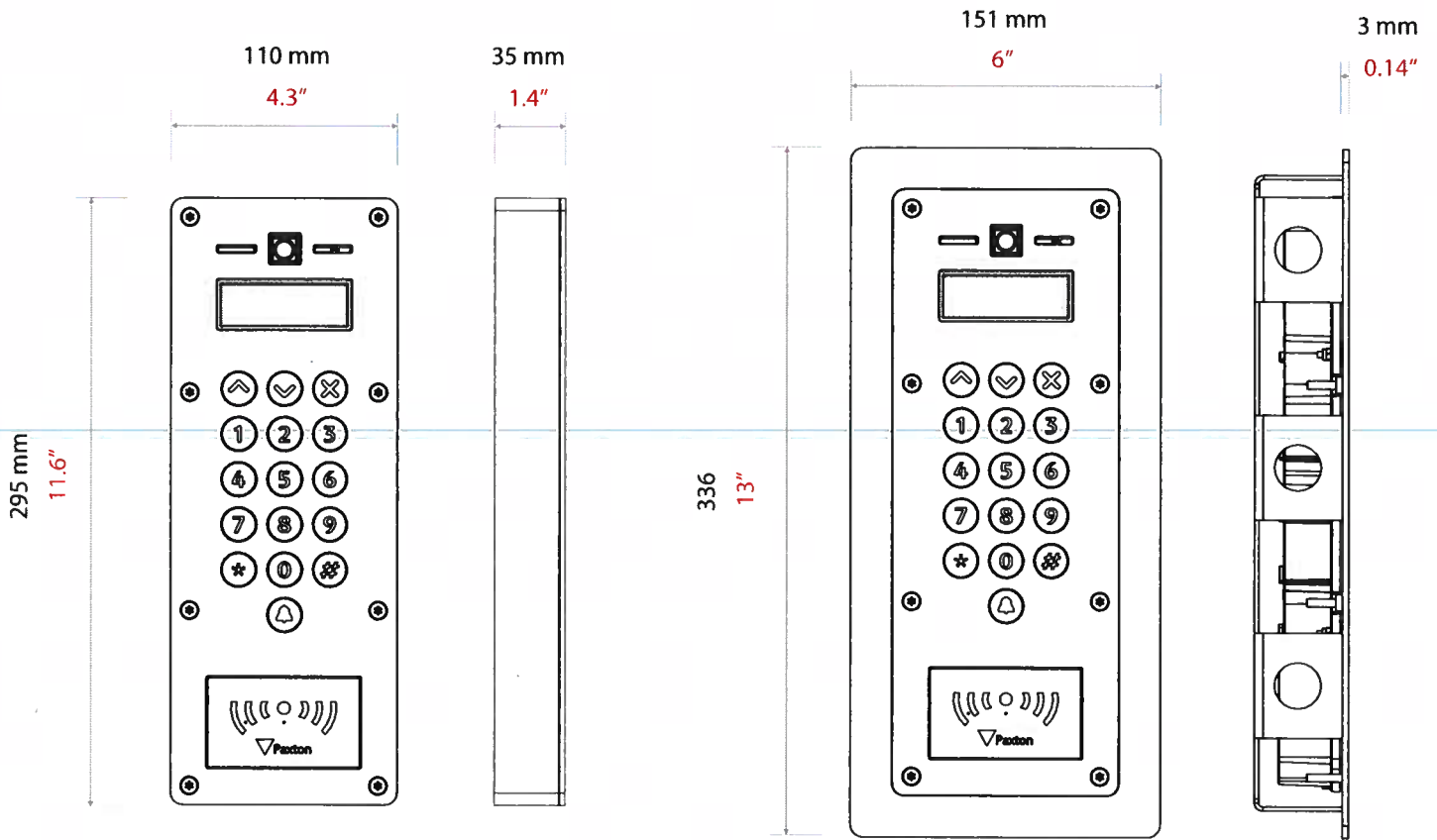


The Entry panel is a robust door entry panel incorporating both door entry and access control functions. It is powered using power over Ethernet (PoE) and communicates with the other elements of the system using IPv6, providing 'plug and play' installation. Each panel is associated with a Entry control unit which is the interface to the door hardware.

The panel is equipped with a keypad and a proximity token reader. A resident can use either the keypad or a token to gain entry. Installers gain access to the menu options using an engineer code or an engineer token.

Net2 or Paxton10 software can be used to administer the access control functions.

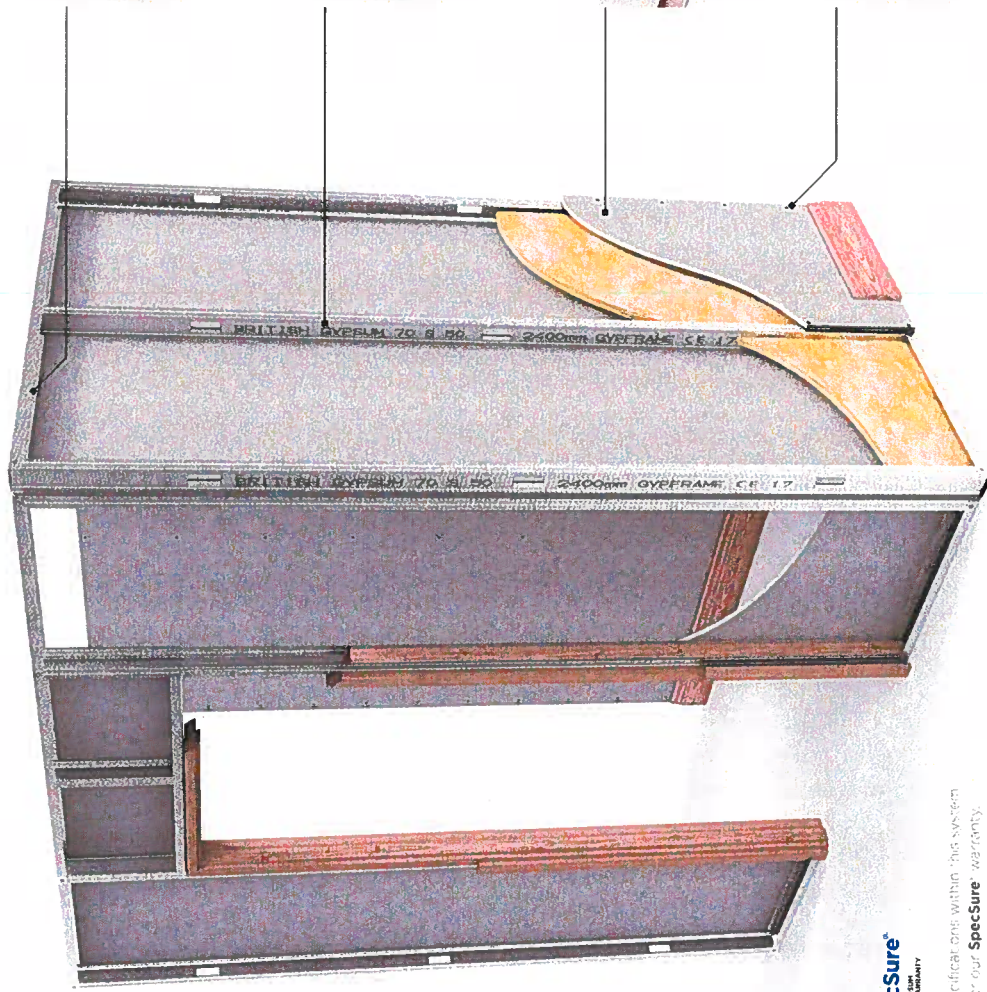
Decide how the units are to be connected. You can either run your own wired network or (with the owner's permission) share the buildings existing data network. If using the owners network, the system uses IPv6 protocol and PoE (Power over Ethernet) so the network must support this switch type.



GypWall Single Frame

System components

Create all the rooms you need with the industry's original lightweight non-loadbearing drywall partition system.



Folded edge channels

Gypframe Folded Edge Standard Floor & Ceiling Channels are cold-rolled steel with a 'U' shaped profile and a folded edge for improved safety when handling. These channels are fixed to the floor and soffit to retain Gypframe studs in British GypWall partition and lining systems up to 1200mm high as defined by the system design.



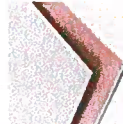
Gypframe 'C' Studs

Gypframe 'C' studs are cold-rolled steel studs with a 'C' section profile. They include sight links down the flanges and service cut-outs in the web. These studs provide vertical framing support in British GypWall partitions and linings as defined by the system design. They're available in a range of lengths (including 2' project requirements).



Gyproc Wallboard

Gyproc Wallboard is a basic plasterboard. Use it in a single layer for most wall and ceiling applications where minimal levels of fire, structural and acoustic performance are required, or in multiple layers for higher performance.



British Gypsum Drywall Screws

Corrosion-resistant self-tapping phosphate coated steel screws with countersunk cross neck. Designed for fixing plasterboard to Gypframe 'C' Studs (and associated framing) less than 0.8mm thick. Gypframe 1 Stud framing less than 0.6mm thick.

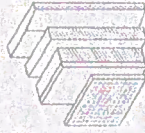


There are significant benefits within this system that qualify for our **SpecSure** warranty. For more information, contact us through british-gypsum.com

Careful product choice is central to maintaining system integrity, performance requirements and eligibility for our **SpecSure** warranty. **Ensure an optimum standard of build by considering...**

What are you fixing?

Our market leading range of plasterboard linings for walls, ceilings, floors, partitions and encasements for any building type. See british-gypsum.com for more details.



What are you fixing to?

Our Gypframe metal profiles provide a strong and versatile structure for fixing our partition lining, floor and ceiling systems. See british-gypsum.com for more details.



What are you fixing with?

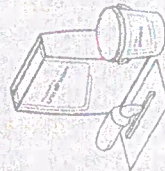
Our fixings offer guaranteed compatibility with our systems, and are rigorously tested to meet the highest quality standards. See british-gypsum.com for more details.



What are you finishing with?

Plaster

Our wide range of Thistle plasters and Thistle accessories give you everything you need to finish a job to the highest possible standard. See british-gypsum.com for more details.



Finishing products

Our Gyproc jointing range gives you everything you need to complete a wall lining, partition or ceiling system, whatever the size and complexity of the project. See british-gypsum.com for more details.

Where defined performance requirements are required see our White Book Specification Selector on british-gypsum.com

GypWall Single Frame

Design considerations

Building design – GypWall partition systems are non-loadbearing. However, they are capable of resisting horizontal uniformly distributed loads in accordance with BS EN 1991. Refer to Robustness in system design principles on british-gypsum.com

Planning – key factors

GypWall Single Frame comes in GypFrame 'C' Studs installed at 600mm centres within GypFrame 'T' Top & Ceiling Channels. Determine the positioning and installation of service penetrations and heavy fixtures before the frame erection stage. For curved ceilings and vertical board joints on exposed board layers at the apex.

Fixing floor and ceiling channels

Fix GypFrame Floor & Ceiling Channels securely at 600mm maximum centres. Channels of 94mm and above fixed two rows of staggered fixings, each row at 600mm centres and each fixing 25mm in from the flange. If the floor is uneven, use a 35mm thick timber, solid plate equal to the channel width. Consider installing a damp-proof membrane for new concrete or screeded floors between the floor surface and the channel.

Splicing

To extend the 'C' studs overlap by a minimum of 600mm, use two British Gypsum Water-Head Drywall Screws through each flange to fix the studs together.

To extend the 'T' studs, block the joint on between studs with minimum 400mm long section of GypFrame Floor & Ceiling Channels ensuring a minimum overlap of 300mm and fix the channel to the stud with four British Gypsum Water-Head Drywall Screws through each stud's side.

Partition to structural steelwork junctions

When designing room layouts, separated by sound-insulating walls, abutting structural steelwork, consider fire protection requirements and the potential loss of acoustic performance through the steelwork. Refer to Building acoustics in system design principles on british-gypsum.com

Door openings

Consider thickness tolerances of the partition trays in relation to the proposed door frame detail. Standard door

frame detailing to suit BS 5324-2 Light and Medium Duty applications is shown in construction details in internal partitions and walls, intracut on Detailing to suit BS 5324-2 requirements for Heavy and Severe Duty Rating is shown in construction details in internal partitions and walls introduction. Consult the door manufacturer about door details. Specialist advice should be sought from your manufacturer and Acoustic Consultants to ensure the required acoustic performance is achieved. This is often more important as acoustic requirements increase.

Framing surround for openings

Determine the positioning of services to provide a framed opening when required to penetrate the wall of horizontal ducts, fire dampers or access panels. Construct openings using established metal stud practices. Refer to our best practice guide on service openings: british-gypsum.com

Cavity barriers

Minimum 12mm Gypsum plaster board, screwed into the cavity barrier channels or vertical studs, will provide a satisfactory closure to fire or smoke. 15mm Gypsum FireLine or Glasroc F FireLine can also be used.

Control joints

Control joints may be needed to allow for expansion and contraction of the main structure. Refer to the construction details in this system. They should coincide with movement joints within the main structure.

Deflection heads

Deflection heads may be necessary to accommodate deflection between partitions and the suspended floor. Deflection heads may also be needed to the underside of front structures, which are subject to positive and negative pressures. Partition design can incorporate deflection heads with only a slight reduction in sound insulation performance. Refer to the construction details in this system. To minimise the loss of acoustic performance refer to Building acoustics in system design principles on british-gypsum.com

Services

Penetrations

Service penetrations through fire-resisting or sound-insulating constructions needs careful consideration to ensure no loss of performance. Consider the services themselves to they do not act as a mechanism for the spread of sound transmission. Refer to our best practice guide on service openings: british-gypsum.com

Handy hint

Where access is limited to one side at the head e.g. M-F boxes, already installed in corridors refer to GypWall Sheet, Section 5.

Electrical

Full electrical services in accordance with BS 7671. Use cut-outs in the studs for routing electrical and other small services. Refer to the construction details in this system. Support switch boxes and socket outlets by fixing GypFrame G.F. 50 Filing Channels horizontally between studs. Use high-performance socket boxes where acoustic performance is important. Where GypFrame AcoustiStuds are used, services are routed through GypFrame 25mm H-shaped cut-outs at the same centres as shown in construction details in internal partitions and walls introduction for conventional cut-outs. Cables could be protected by conduit, or other suitable precautions taken to prevent abrasion when they pass through the metal frame. Service cut-outs should be aligned to allow easy installation of services. If studs need cutting, cut from the same end of each stud to ensure cut-out alignment.

Independent support

Consider the size and weight of services, such as fire dampers and ductwork, that will be installed through the partition. Determine whether they can be supported directly by the partition or require independent support retaining specific manufacturer information/authorisation. Refer to the construction details in this system.

Fixtures

Lightweight fixtures can be installed directly to the partitions. Medium weight fixtures can be made to GypFrame G.F. 50 Filing Channel. Heavyweight fixtures to BS 5234-2 e.g. shelving, TVs and cupboards, can be fixed using plywood secured with GypFrame Service Support Plates. Refer to Service installations in system design principles on british-gypsum.com

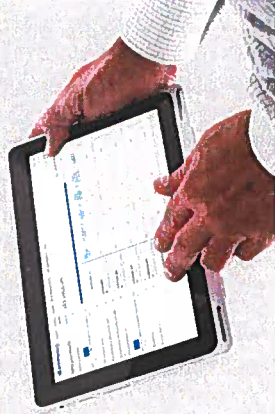
Board finishing

Refer to british-gypsum.com for our full range and guidance on board finishing products.

Looking for performance selection tables?

We're committed to providing technical information that is transparent, clear, accurate, and always up-to-date. So you can rely on it when making decisions at any stage of the design, specification, installation, use, maintenance and disposal process. All performance data is now available to view and download on our website.

british-gypsum.com/gypwall-single-frame



Tiling

Tiles can be fixed directly to the surface of lightweight partition systems. Refer to british-gypsum.com for our full range and guidance on tiling-related products.

Construction details

Refer to construction details in internal partitions and walls introduction.

Handy hints

If horizontal board joints are necessary stagger between layers by a minimum of 500mm to avoid downgrading performance.

For alternative stud types/sizes to increase maximum part on height, further options are available. Refer to the White Book Specification Selector on the British Gypsum website.

Important

For partition heights over 4200mm use GypFrame Deep-Flange Floor & Ceiling Channels.

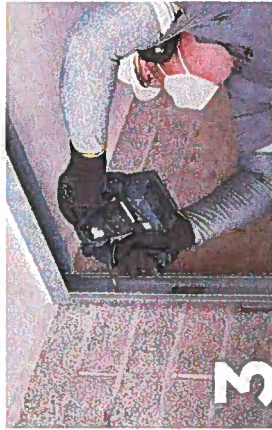
GypWall Single Frame Installation



1 If a deflection head is required start by creating the correct width of the deflection head and width of Gyproc clasterboard or Glasroc spec. list board and attach to your head and wall. Use appropriate Gyproc FireStrip as per the detail.



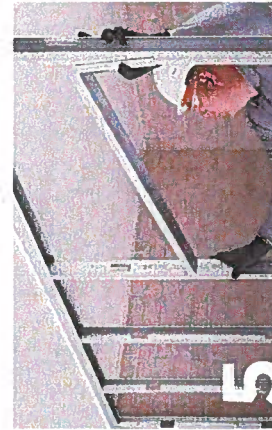
2 Suitably sized appropriate GypWall Floor & Ceiling Channels at the required centres in the floor and ceiling. Insert one row of channels 72mm and below a single row of ceiling. For anything above 72mm two rows at 600mm temp. staggered by 300mm are used.



3 Use GypWall studs to adjustments and openings using suitable fixings.



4 Insertion fill GypWall Floor & Ceiling Channels at required centres.



5 Construct door openings to meet the partitions duty rating.

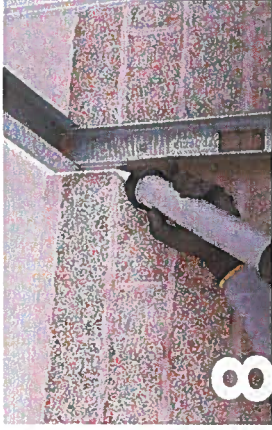


6 Add appropriate ISOVER insulation (Acoustic Partition Cell (200) as shown) within the partition cavity to contribute to acoustic and thermal performance where required.

The information below is intended to be a basic description of how the system is built.



7 Stone mineral wool (or other) may be required as part of the partition installation, particularly for situations requiring enhanced fire resistance.



8 Use Gyproc Sealant to seal the perimeter of the partition.



9 Use British Gypsum Drywall Screws to fix GypWall plasterboard or Glasroc specialist boards to GypWall framework.



10 For angles and double stud bay horizontal beam joints use a GypWall DSI Flying Stud to Partitioning Centres.