

living doorsets



aspex

living doorsets

Aspex UK are dedicated to architectural excellence. One of the UK's leading architectural ironmongery suppliers, doorset manufacturers, as well as being suppliers & installers of integrated access control systems and automatic door operators.

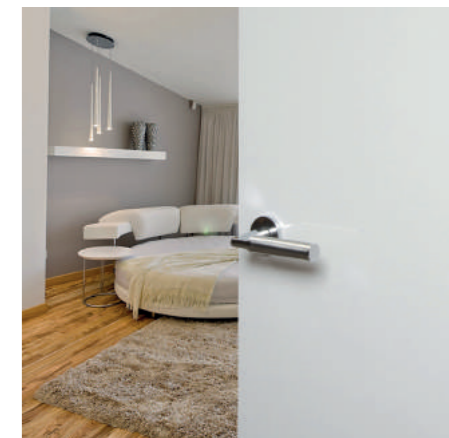
Aspex UK were formed in the early part of 2006 and are recognised as one of the market leaders, innovators and strongest performers within the construction industry, offering quality architectural products and solutions.

Our aim is to offer specifiers and contractors a total solution and as part of this strategy we have developed a range of doorsets for the accommodation and commercial sectors.

The doors are pre-hung into the frames and supplied as single sets, fully braced and ready to install with double sets supplied disassembled to avoid handling issues.

Living doorsets offer a performance doorset that has been fully tested in conjunction with the ironmongery to meet all of the relevant fire, security and acoustic standards and have also been performance tested to ensure that they are suitable for the intended project.

Aspex UK offer a full door and ironmongery scheduling service which is carried out by our trained staff helping to ensure that conflicts do not arise. This coordinated approach means that all of our doorsets are supplied as standard factory prepared for the lock cases and flush bolts.



PAS24 entrance doorset

The ProShield doorset meets all of the requirements of PAS24 and have been specifically designed for apartments and student bedroom entrances where security, fire and noise reduction performance are of paramount importance.

The doorsets also meets the requirements of Approved Document M for clear opening widths and by using our high quality door closer they will also comply with the maximum opening force requirement.

Door

The door leaf is constructed from a severe duty core tested to DD171 which is lipped on all four edges and is available to suit a structural opening size of up to 2400mm high and 1050mm wide.

The door is available in a wide range of attractive finishes including a variety of veneers and laminates and also primed for onsite painting.

Acoustic rated doors are supplied with an automatic drop seal which is fitted into the bottom of the door.



Frame

The door frames are manufactured from hardwood and can either be supplied to match the veneer finish of the door or primed for onsite painting.

The overall frame height when using a 2040mm high door is 2095mm high and the width is the door leaf size plus 96mm which includes a 10mm allowance for installation.

The frames are supplied with a fire intumescent strip and a separate acoustic and smoke seal which has a low resistance ensuring compliance with ADM opening force requirements. These strips are supplied loose with primed frames and fitted into finished ones.

Fire rating

The doorsets have been tested to BS 476 part 22 and are available as NFR, FD30 & FD60.

All fire rated doorsets are manufactured under the stringent BWF Certifire scheme.

Acoustic

The doorset has been tested to BSENISO 140-3:1995 and has an acoustic rating of 32Rw dB. The door is supplied with a factory fitted drop down seal.

Locking

The ProShield doorset is supplied with a high security multipoint lock that automatically locks the door when it closes.

The advantage of this is that unlike conventional locks the lever handle does not have to be lifted to lock the door which can be a difficult operation especially for the elderly or disabled

A high security cylinder with an internal thumbturn is used to operate the lock and these are Anti Bump and BSI Kitemarked.



Door furniture

The cylinder is protected by a high security solid stainless steel escutcheon which means that levers on round roses can be used and these can be coordinated with the ones on the internal doors.

The locking system can work in two ways:

Lever / Lever - With this option a lever handle is installed on both sides on the door which means that when the door closes though the top and bottom bolts will automatically engage if the lever is depressed the door can be opened. To lock the door the turn or key is used to throw the central deadbolt and deadlock the top and bottom ones.

Lever / Knob - With this option a lever handle is installed on the inside and a fixed dead knob on the outside which means that when the door closes and the top and bottom bolts engage the door can only be opened from the outside by using a key. The lever handle will open the door from the inside and again the turn or key can be used to throw the central deadbolt and deadlock the top and bottom ones.



Hanging

The doorsets are supplied with the door pre-hung in the frame on three dogbolt security hinges.

Access control

The ProShield doorset has also been tested to PAS24 in conjunction with the Salto access controlled handle sets allowing the doors to be access controlled.

Ancillary items

The additional ironmongery items listed can also be supplied with the doorset:

- Door guard or chain
- Door viewer
- Letter plate
- Concealed or surface mounted door closer
- Numerals



entrance doorset



The entrance doorset, is the ideal solution for accommodation schemes where PAS24 is not a requirement, but fire, smoke and acoustic performance is a necessity.

The pre-hung factory assembled doorset is tested for BS8214 meets the requirements for clear opening widths within approved document M and to complete the doorset solution by combining the doorset with our high quality door closer, it will also comply with opening force requirements.

Door

The solidcore door construction can be supplied to achieve various duty ratings up to severe duty (DD171) and is available in a range of bespoke or standard sizes.

The door is available in a range of attractive finishes included real wood veneers, foils, laminates, primed for on-site painting or a full factory paint finish to any RAL number.

Frame

The frame can be manufactured from MRMDF, Softwood or Hardwood and can be supplied as primed for on-site painting or in a factory finished polished / lacquered hardwood to match the timber veneer on the face of the door.

The frames are supplied with a factory fitted intumescent seal when fire rated and a separate acoustic and smoke seal which has a low resistance ensuring compliance with opening force requirements

Fire rating

The doorsets have been tested to BS 476 part 22 and are available as NFR, FD30 & FD60.

All fire rated doorsets are manufactured under the stringent BWF Certifire scheme.

Acoustic

The doorset has been tested to BSENISO 140-3:1995 and has an acoustic rating of 32RwdB. The door is supplied with a factory fitted drop down seal.

Door furniture

An extensive range of door furniture can be supplied to compliment the entrance door set including standard round bar designs which are suitable for both apartment and student accommodation schemes.

Designer ranges specifically for hotel and apartment schemes are also available including our own Living Door furniture collection together with manufacturers ranges including Valli Valli, Marriani and Mandelli.

Locking

The entrance doorsets area available with a choice of locking options including multipoint locks or a conventional sashlock or nightlatch.

Multipoint locks offer a higher level however these are expensive and in locations such as student bedroom doors entered from a shared cluster area a sashlock will provide sufficient security.

The locks can be operated by either standard differ or master keyed cylinders and these are available in different security levels ranging from standard 5 pin systems up to patent protected multi profile systems.

Access Control

The Salto access control system has been used extensively on both student and MOD accommodation schemes and offers unrivalled flexibility for building managers at an affordable cost.

Systems are also available specifically for the hotel and apartment sectors and have an aesthetically pleasing design and work in conjunction with a wide variety of lever handle options.

Hanging

The doorsets are supplied with the door pre-hung in the frame on three hinges or alternatively our concealed adjustable hinge can be used which is completely invisible when the door is closed

Ancillary items

The additional ironmongery items listed can also be supplied with the doorset:

- Door guard or chain
- Door viewer
- Letter plate
- Concealed or surface mounted door closer
- Numerals



internal doorset



The living Internal doorset offers a wide range of products to complement and enhance any living space, from student accommodation to city living apartments or Hotels.

The pre-hung factory assembled doorset is tested to BS8214 and is available in a range of sizes and finishes with a large selection of ironmongery options to complete the doorset solution.

Door

Our doors can be supplied with a solidcore construction for all levels of performance up to a severe duty rating.

Where fire performance is not a requirement and the doors are subject to light use our hollowcore doors can be used with our technical staff available to advise on suitability.

The doors can be supplied in a range of bespoke or standard sizes.

The door is available in a range of attractive finishes included real wood veneers, foils, laminates, primed for on-site painting or a full factory paint finish to any RAL number.

Frame

The frame can be manufactured from MRMDF, Softwood or Hardwood and can be supplied as primed for on-site painting or in a factory finished polished / lacquered hardwood to match the timber veneer on the face of the door.

When fire rated the frames are supplied with a factory fitted intumescent seal and a separate acoustic and smoke seal which has a low resistance ensuring compliance with opening force requirements.

Fire

The doorsets have been tested to BS 476 part 22 and are available as NFR, FD30 & FD60.

All fire rated doorsets are manufactured under the stringent BWF Certifire scheme.

Acoustic

When acoustic performance is a requirement the doorsets can be supplied up to a rating of 32Rw dB complete with a factory fitted drop down seal.



Door furniture

An extensive range of door furniture can be supplied to compliment the entrance door set including standard round bar designs which are suitable for both apartment and student accommodation schemes.

Designer ranges specifically for hotel and apartment schemes are also available including our own Living Door furniture collection together with manufacturers ranges including Valli Valli, Marriani and Mandelli.



Locks and Latches

The selected locks, latches or bathroom locks are supplied pre-fitted into the door when it is delivered to site with the face pre drilled for the lever handle fixings.

Conventional locks and latches can be supplied however a new innovation has just been developed that utilises a magnetised strike plate and offers both silent closing of the door and means that an unsightly lip on the striking plate is not required.

Pocket Doors

A full range of pocket door systems are available as part of the Living Doorsets range and these offer an ideal space saving solution.

Single and double doors options can be provided with timber and glass doors including a full height architrave free option.

A large range of standard sizes is available and made to measure systems for doors up to 2000mm wide and almost 3000mm high can be supplied.

The system is suitable for either 35 or 44mm thick door leafs weighing up to 80kg and can be fitted into a wall with a finished thickness of 100 or 125mm.

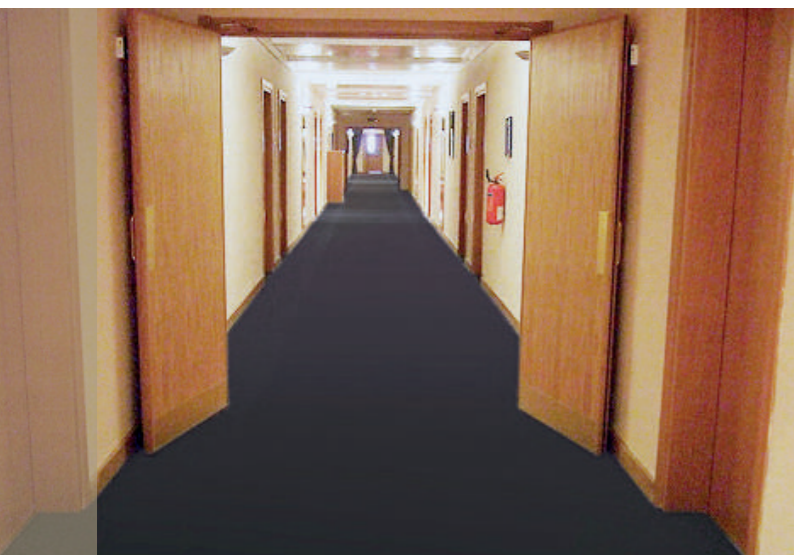
The pocket door gear is supplied complete with an easy to assemble metal frame for fixing of the plaster board and a timber door frame complete with brush seals and architrave.

The guide system with a groove in the bottom of the door means that there is no floor channel.

An extensive range of flush pulls are available including turns and releases for bathroom and en-suite doors



communal areas



The performance requirements for the Internal Living area and the communal circulation areas are vastly different.

The pre-hung factory assembled doorset is tested to BS8214 and meets the requirements for clear opening widths within approved document M. Combining the doorset with our high quality door closer will ensure compliance with opening force requirements.

Door

Our doors can be supplied with a solidcore construction for all levels of performance up to a severe duty rating.

Where fire performance is not a requirement and the doors are subject to light use our hollowcore doors can be used with our technical staff available to advise on suitability.

We recommend using our solidcore door construction to communal and circulation areas as these are very robust and when tested to DD171 achieves a severe duty rating. These doors are available in a range of standard and bespoke sizes.

The door is available in a range of attractive finishes included real wood timber veneers, foils, laminates and primed for on-site painting.

Frame

The frame can be manufactured from MRMDF, Softwood or Hardwood and can be supplied as primed for on-site painting or in a factory finished polished / lacquered hardwood to match the timber veneer on the face of the door.

When fire rated, the frames are supplied with a factory fitted intumescent seal and a separate acoustic and smoke seal which has a low resistance ensuring compliance with opening force requirements.

Fire

The doorsets have been tested to BS 476 part 22 and are available as NFR, FD30,FD60 FD90 & FD120.

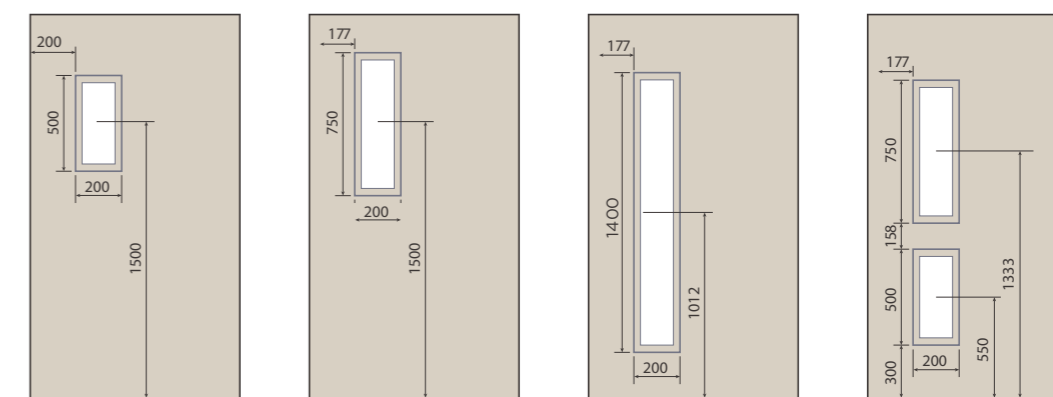
All fire rated doorsets are manufactured under the stringent BWF Certifire scheme.

Acoustic

The doorset has been tested to BSENISO 140-3:1995 and can be offered up to a rating of 45Rw dB.

Vision panels

We have a range of vision panel options that can be supplied with clear or wired glass and we have options that are compliant with BS8300 & Part M.



V1

V2

V3



V4



Vision panels shown are for example purposes only, alternative option available, contact us for further information

Door furniture

An extensive range of door furniture is available from our range in either stainless steel, brass or aluminium to complement communal doorsets.

Items available include:

- Pull handles
- Lever handles
- Door closer
- Push and kick plates
- Automatic operators
- Statutory door fire signs
- Directional signs

The requirements of DDA, ADM and BS8300 will usually need to be considered for these areas and our door closer, hinge and seal options help to ensure that compliance with opening force requirements can be achieved.

Alternatively electro hold open door closers can be supplied which allow for easy circulation around the building and prevent the doors from getting damaged.

Pull handles are also available in a variety of length and diameter combinations with a selection of contemporary designs to choose from.



Finishes

The Living range gives you the choice to put your own individual style on the doorsets to complement and enhance the living space for your project.

Our real wood veneers are available in a range of attractive 'natural' highly decorative finishes.

We offer two types of veneer cutting methods, to create 2 aesthetically different appearances, these are

1. **Crown cut** - the half log is sliced parallel to the line through the centre of the log, giving a Crown or Heart shaped feature.

2. **Quarter cut** - the log is sliced along the length, so that the growth rings of the log strike the knife at approximate right angles, producing a vertical lined effect usually known as straight grain.

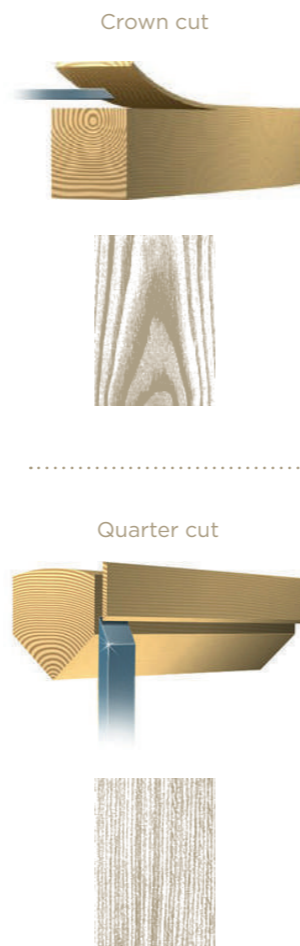
Our robust Laminate facings offering a myriad of design and application opportunities for a wide variety of environments.

We also have the option to provide a 'high gloss pre-finished door in white' or alternatively we can offer a primed door for on-site painting.

We have selected a few of our more popular facings, however should you want something different then please contact us to discuss.



We are able to offer technical support and design guidance and cost planning advice at all stages throughout the project, please contact us to discuss further.



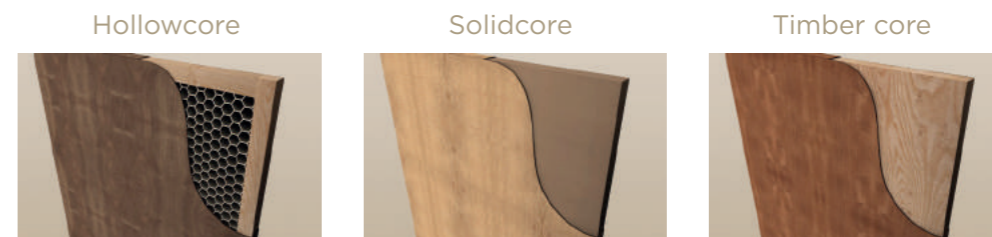
Technical

The Living doorset is a full doorset and ironmongery solution, encompassing a pre-hung door leaf into a frame, with any required vision panels and the 'essential ironmongery' pre-assembled within factory conditions, under stringent certified test conditions to ensure fire, smoke and acoustic performance is achieved.

With vast understanding and knowledge of the accommodation market, we are committed to provide the right products combined with exceptional levels of service, throughout your project at all stages from design to completion and after sales support.

The following technical information, is only part of what we are able to offer and would welcome the opportunity to put your design aspirations into reality.

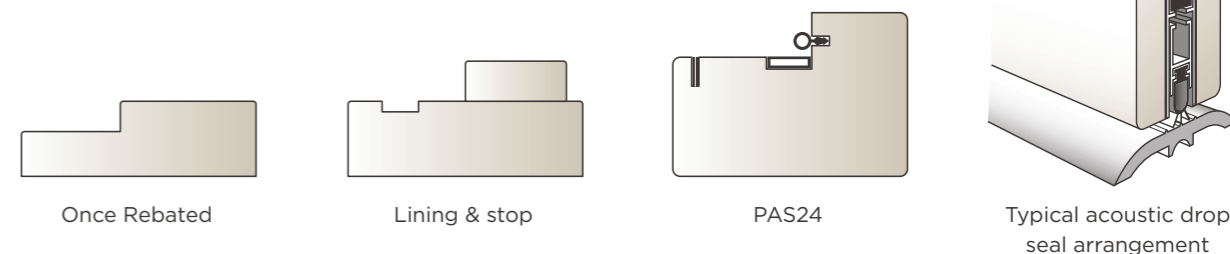
Living doors can be manufactured to the following constructions, to suit a wide range of applications and duty rating:



Our frames are manufactured in accordance with our certification criteria, which determine section sizes and material species that can be offered.

We offer the frames, in either MDF, Softwood or Hardwood (Hardwood can be supplied factory polished/lacquered to match the door).

Below are typical examples of our frame sections.



Clear opening widths

The table below gives typical clear opening widths to single doorsets, based on standard door widths, frame profiles and ironmongery.

Single doorset						
Structural opening width	Door leaf width	Door Thickness	Stop / Rebate	Knuckle of Hinge	Lever Handle (If applicable)	Clear opening width
1010	926	44	14	13	70	791
910	826	44	14	13	70	691
810	726	44	14	13	70	591
710	626	44	14	13	70	491
610	526	44	14	13	70	391
510	426	44	14	13	70	291

ironmongery

Aspex UK are one of the UK's leading architectural ironmongery suppliers and have a wide variety of products to select from including door furniture, locks, closing devices and panic hardware together with ancillary devices such as door stops and signs



Door furniture



Door closers



Door stops



Signs and numerals

A wide range of bespoke door and directional signs are available and can be manufactured from a variety of different materials.



Mail boxes

Multiple occupancy developments often require a mail box system and a full range of these are available for mounting onto or flush into the wall internally or externally.



the environment

As a responsible manufacturer Aspex UK Ltd, naturally believes that the conservation of our environment is of paramount importance.

Our environmental policy therefore:

- Encourages good forest management from our timber suppliers wherever possible.
- Reduces waste by maximising the use of raw timber in the construction of our products.
- Uses timber substitutes such as medium density fibreboard (MDF) wherever possible, without reducing the performance or appearance of our products.
- Has resulted in a reduction of solvent use during the manufacturing process by switching to water based stains and paints, where possible.

Chain of custody

Aspex UK Ltd are able to supply doors, door frames and doorsets under an environmental 'Chain of Custody' certificate offering assurance that an independent audited route to market is followed.

The process includes annotation of certification on all associated documentation from order to dispatch. This guarantees that the timbers used are from appropriate sources.

Aspex UK Ltd are currently able to offer moulded skin doors with FSC and PEFC certification. To supplement this, 'Chain of Custody' can also be provided on doors specially manufactured with this specific requirement via the door factory and pre-hung doorsets via the Doorsets.



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