

novista
riser doorsets



aspex

Novista Riser door system

The name Novista is derived from the Italian for No Vista or No View, and this perfectly describes this door system with a hidden frame, which allows the door to blend in with the wall with no unsightly architraves required.

The Novista Riser system is available with either a steel or timber door leaf, with a steel door frame that is concealed within the stud or block wall, and is completely invisible when the door is in the closed position.

The Timber door system is available in single and double doors configurations, and the Steel system is also available as a triple, quadruple, quintuple and sextuple. The doorsets can have either a standard three-sided frame or a four-sided one that is set into the wall and allows for the skirting board to run continually underneath.

The Novista Riser system is suitable for a wide range of applications including ducts, risers, cupboards and for access to bathroom pods, and has been extensively fire tested up to FD60 for timber doors and FD120 for steel doors.

The Novista Riser range includes doorsets with either a steel or timber door leaf, and both of these have their own unique attributes, making the system suitable for a wide variety of projects.

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Introduction

Novista Riser door system





Novista Riser door system

Steel or timber?

Novista Riser Steel

- Fully concealed steel frame
- Steel door leaf either primed or pre-painted to any RAL colour
- Three or four-sided frames
- Easy to install with pivot system
- Single, double, triple, quadruple, quintuple and sextuple configurations
- Tall and wide doors available
- FD120 fire rated as standard
- 41dB acoustic rated as standard
- Square key or europrofile lock options

Fire	FD120 as standard
Acoustic	41dB as standard
Size	Maximum 2960mm high and 5840mm wide with a sextuple

Novista Riser Timber

- Fully concealed steel frame
- Solid timber door leaf with primed paper face, which is easy to paint on site to match the adjoining wall
- Veneered, laminated, PVC faced or pre-painted to any RAL colour
- Single and double configurations
- Door leaf opens to 180 degrees
- Three or four-sided frames
- FD60 fire rated
- Square key or europrofile mortice lock options

Fire	FD30 or FD60
Acoustic	35dB Maximum
Size	FD30 Maximum 2500mm high and 880mm wide or 2200mm high and 2000mm wide with a double FD60 Maximum 2420mm high and 850mm wide or 2100mm high and 2000mm wide with a double

Novista Riser Steel door system

The Novista Riser doorset with a concealed frame has been developed to help blend access and riser doors into the adjoining wall so that they are virtually invisible with no architrave.

This Novista Riser doorset as standard is FD120 Fire rated and 41dB Acoustic rated, and the multiple door leaf system can be used for very wide structural openings with a single frame around the outside and no supporting posts.

Tall full height doors of up to 2960mm high are a feature of this system. They can be up to 5840mm wide in a sextuple configuration and are fully certified up to FD120, tested from both directions.

- FD120 fire rated
- Fire tested from both directions
- 41dB acoustic rated
- Sa smoke classification
- Class 2 air permeability
- Three or four sided frames
- Easy to install with pivot system
- Single, double, triple, quadruple, quintuple and sextuple configurations
- Tall and wide doors available
- Square key or europrofile lock options
- Factory painted or primed for painting on site



Novista Riser Steel Configurations

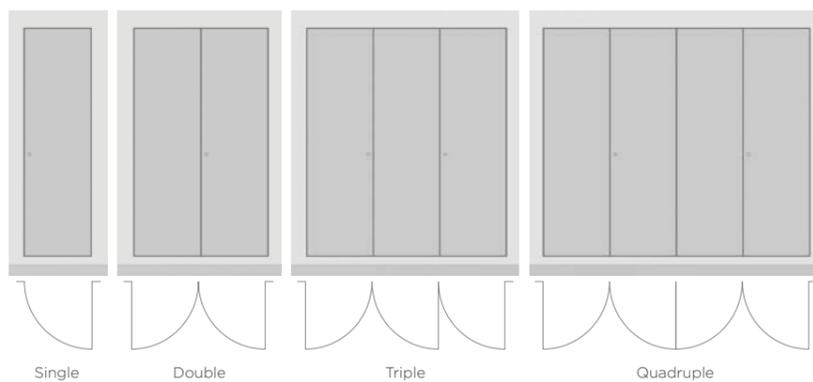


Novista Riser Steel Frame types



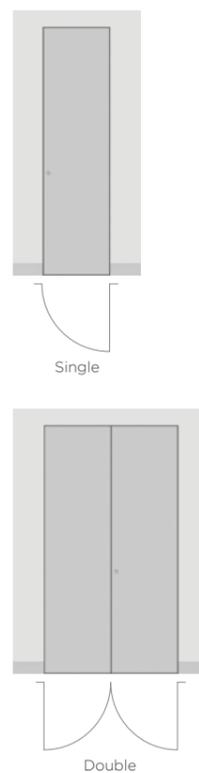
4 Sided Frame

Novista Riser Steel system with a four-sided frame is available as a single, double, triple, quadruple, quintuple or sextuple doorset with a single frame and no supporting pillars.



3 Sided Frame

Novista Riser Steel system with a three-sided frame is available as a single or double doorset.



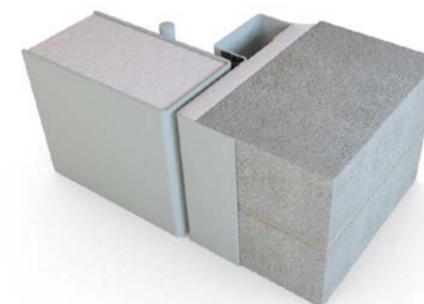
Perforated Frame



The Novista Riser system as standard has a frame with a perforated flange with an integral corner bead that sits on the face of the plasterboard or block wall, and this is then plastered or tape and jointed. The frame is manufactured from galvanised steel and this is supplied either factory painted or primed.

It is important that the screws that pass through the flanges to fix the front of the frame into place locate into the stud or a solid structure. If this is not possible because the aperture has been lined with two or more layers of plasterboard, a wider flange can be provided.

Picture Frame



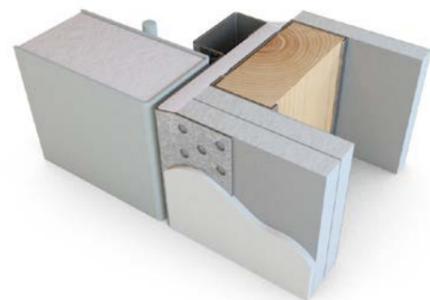
The Novista Riser system is also available with a picture frame, and this can be used when the doorset is installed into a block wall or an existing opening.

Novista Riser Steel door system

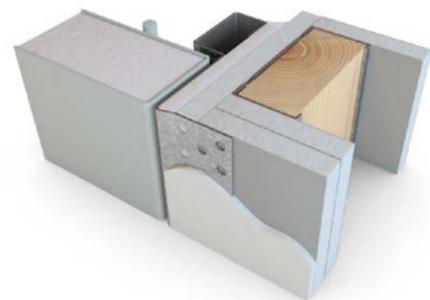


Wall Types

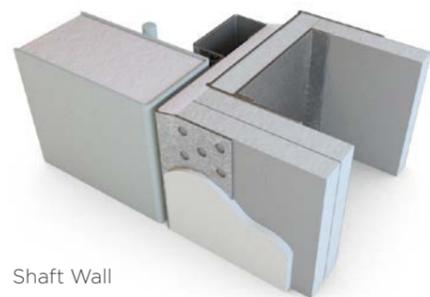
The Novista Riser Steel doorsets have been successfully fire tested in various different flexible and rigid wall constructions and as a result they can be installed in blockwork, timber stud, metal stud or shaft walls appropriate to the required fire certification.



Stud Wall - Aperture not lined



Stud Wall - Aperture lined



Shaft Wall

Novista Riser Steel door system



Limiting Device

This device limits the opening angle of the door leaf to 90 degrees and prevents one door from being opened too far, which can result in damage.

The limiting device can be either factory installed or retro fitted to the door and frame, which as standard have threaded holes for the machine screws. A quick release mechanism means that they can easily be disengaged if the door leaf is being removed.



Fire Signage

It is a mandatory requirement that all fire rated doors have an appropriate fire sign with white letters and a blue background.

There are two standard options: a 75mm self adhesive rigid PVC disc, which is fixed to the face of the door, or the "Lollipop" type, which is fixed to the leading edge of the door leaf.

Novista Riser Steel door system



Locking

The doors are locked using a three-point locking system that has top, bottom and side bolts operated by a square key.

A europrofile cylinder can also be added to provide additional security. This can be integrated into a master key system if required.

The inactive leaf of double doors is secured using top and bottom flush bolts mounted into the edge of the door leaves.



Standard Lock



Europrofile Lock



Flush Bolt

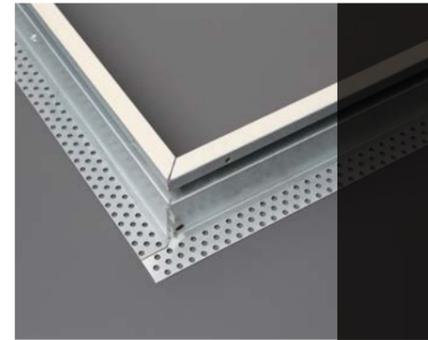
Novista Riser Steel door system

Assembly/Installation

A unique feature of the Novista Riser Steel door frames is that they are supplied in kit form, which results in them being very easy to move around site and store.

Door frames up to 2700mm wide are supplied in four sections, which can be assembled in a matter of minutes using our bespoke connecting system and, once completed, the frame is very rigid and ready for installation into the wall.

Door frames that are wider than 2700mm are supplied with the bottom and top sections in two pieces to allow for easy transportation and movement on site, and these are fixed together using our simple jointing system.



Hanging

Once the frame is fitted into the structural opening, the Novista Riser Steel door leaf is hung on a bottom pivot, and at the top a sprung loaded pin locates into a hole in the frame head, making it easy to install, even if it is very tall.

To remove the door leaf, the top pin is retracted and this can then be lifted off the bottom pivot.



Download the installation instructions from our website or scan the QR Code



Novista Riser Steel Finishes



Primed



The Novista Riser Steel doorsets as standard have a primed finish, which has been developed to provide maximum adhesion of any emulsion paint to the steel door leaf,

and this has been approved by AkzoNobel. The emulsion paint can be applied to the door and frame using either a brush or roller, allowing it to blend in with the adjoining wall.

Factory Finished



The door leaf and frame can be supplied in a standard PPC white finish (RAL9010) or, alternatively, any RAL colour. The Polyester Powder Coated (PPC) finish

provides a robust alternative to conventional paint and is very hard-wearing.

Wallpapered



The Novista Riser doorsets have been fire tested with a variety of different wallpapers applied to the door leaf, which enables these to blend in with the adjoining wall.

Novista Riser Steel Performance

Fire

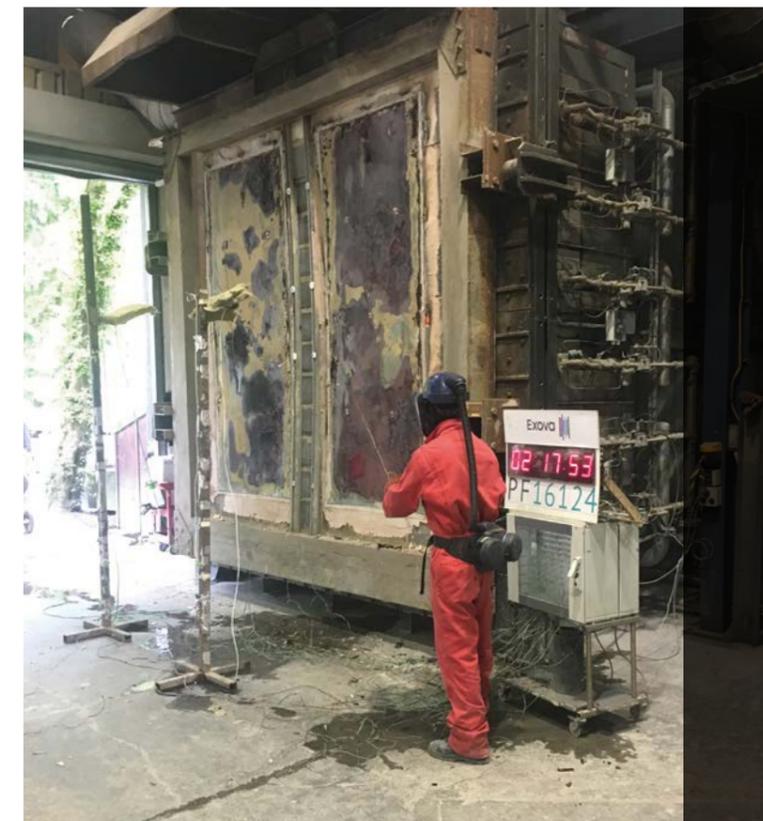
The Novista Riser Steel doorsets have been extensively fire tested in various configurations at Warrington Fire's test laboratory in High Wycombe to the European standard EN1634.



The result of these tests is that the Novista Riser Steel doorsets are as follows:

- FD120 as standard
- Successfully tested from both directions
- Suitable for metal stud walls, timber stud walls, shaft walls or block walls
- Up to six leaves can be included in a single frame
- Three or four-sided frame
- FD30 and FD60 apertures do not have to be lined with plasterboard
- Different methods to fill the void between the frame and wall are permitted including Rockwool and foam

The details on the permitted sizes and configurations for the Novista Riser Steel doorsets are included in a Field of Application report that has been produced by the third-party accredited certification company International Fire Consultants (IFC).



Smoke

The Novista Riser Steel doorsets have a neoprene compression seal that the door leaf closes onto, and this prevents cold smoke from passing through the doorset.

The doorsets have been tested to the EN1634-3 standard and have an EN13501-2 classification of Sa (cold smoke).

The seals have also been fire tested for 2 hours to EN1634 without compromising the fire resistance of the doorset.



Acoustic

The Novista Riser Steel doorset has an insulated door leaf and a rubber compression seal on all four sides of the door frame and, as standard, these have been independently tested and have achieved an acoustic rating of 41Db.



Frame/Wall Gap

It is very important that the gap between the back of the door frame and the wall is filled with the correct material to ensure that the Novista Riser doorset achieves the required fire rating.

Information on the tested options are detailed in the Fire Stopping data sheet, which can be found on our website or by scanning the QR Code.





Novista Timber Riser door system

The Novista Riser doorset with a concealed frame and timber door leaf has been developed to help blend access and riser doors into the adjoining wall so that they are virtually invisible with no architrave.

The Novista Riser Timber door leaf has a solid core and hardwood lippings on all four edges and is very robust and durable. The leaf is fitted with the intumescent strips, locks and flush bolts installed.

The Novista Riser Timber doorsets are available with either standard or concealed hinges with a maximum fire rating of FD60S and a maximum acoustic rating of 35dB.

- NFR, FD30 or FD60 fire rated
- 32dB or 35dB acoustic rated
- Sa smoke classification
- Class 2 air permeability
- Three or four-sided frames
- Single or double configurations
- Square key or europrofile lock options
- Factory painted, primed, laminated or veneered finishes available



Novista Riser Timber Configurations

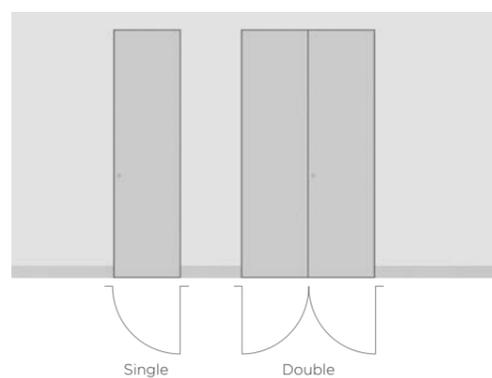


Novista Riser Timber Frame types



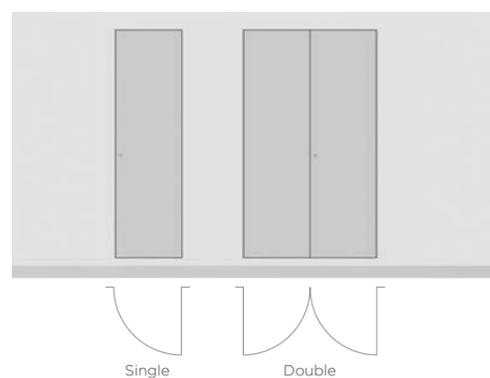
3 Sided Frame

The Novista Riser Timber doorset system with a three-sided frame is available as a single or double doorset.

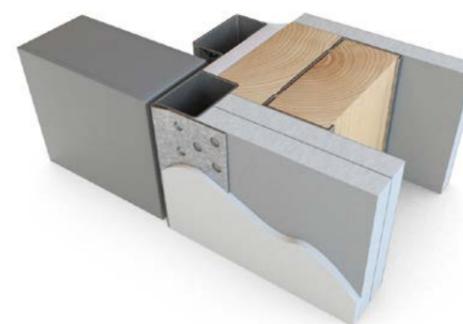


4 Sided Frame

The Novista Riser Timber doorset system with a four-sided frame is available as a single or double doorset.



Perforated Frame



The Novista Riser Timber doorset has a frame with a perforated flange with an integral corner bead that sits on the face of the plasterboard or block wall, and this is then plastered or tape and jointed. The frame is manufactured from galvanised steel and this is supplied either factory painted or primed.

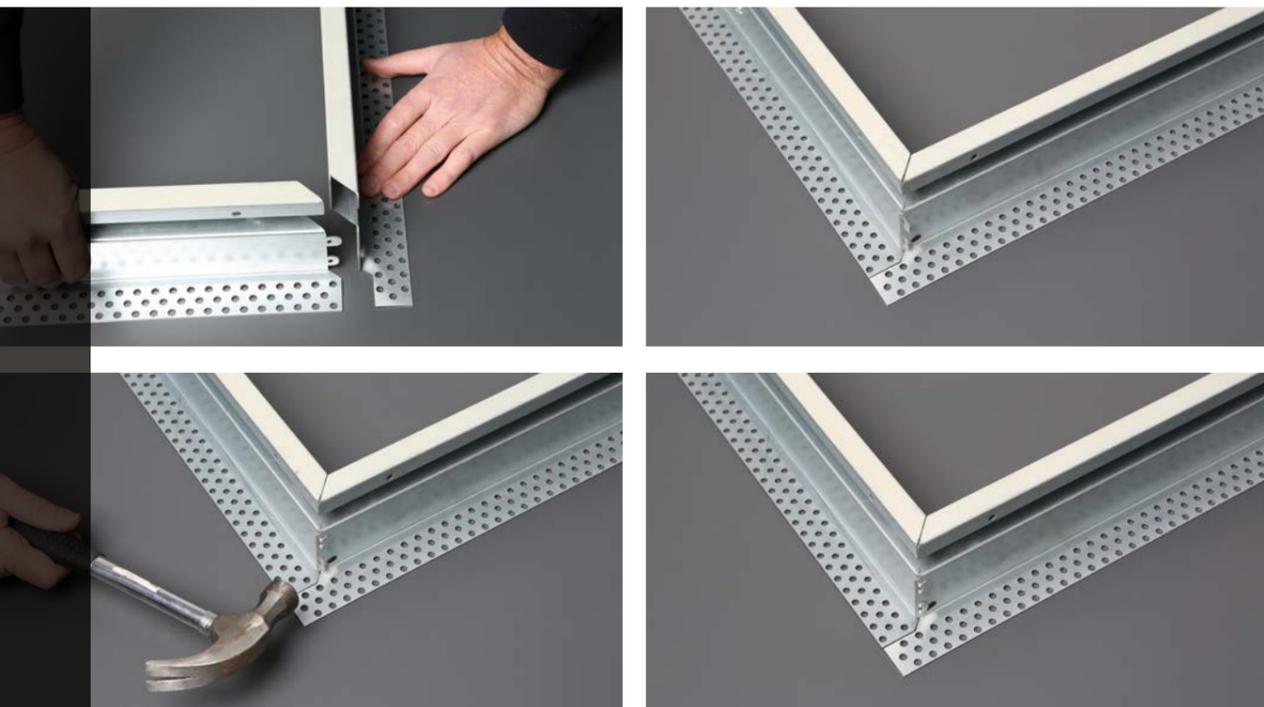
It is important that the screws that pass through the flanges to fix the front of the frame into place locate into the stud or a solid structure. If this is not possible because the aperture has been lined with two or more layers of plasterboard, a wider flange can be provided.

Wall Construction

The Novista Riser Timber frame has pockets at the back of the frame to house the concealed hinges and lock box. A section of the wall will need to be cut away to allow the frame to be installed.

We recommend that either a double vertical stud is used or a 30mm packer is mounted on top of the stud with the plasterboard for the wall on top. The wall manufacturer should be consulted to ensure compliance with the fire certification.

Novista Riser Timber door system



Assembly/Installation

A unique feature of the Novista Riser Steel door frames is that they are supplied in kit form, which results in them being very easy to move around site and store.

Door frames up to 2700mm wide are supplied in four sections, which can be assembled in a matter of minutes using our bespoke connecting system. Once completed, the frame is very rigid and ready for installation into the wall.

Door frames that are wider than 2700mm are supplied with the bottom and top sections in two pieces to allow for easy transportation and movement on site, and these are fixed together using our simple joining system.



Download the installation instructions from our website or scan the QR Code



Hanging

The Novista Riser Timber doorsets are available with either standard or concealed hinges for FD30 and FD60 doorsets, and these are fixed into pre-prepared cutouts in the frame and door leaf.

Concealed hinges These hinges can be used with the NFR, FD30 and FD60 doorsets. These allow the door to open to 180 degrees and are completely invisible when the door is closed. The hinges are three-way adjustable, which makes it very easy to align the door leaf and attain a consistent gap all the way round.



Concealed hinge



Standard hinges These stainless steel 102x76mm ball bearing hinges can be used with the NFR, FD30 and FD60 doorsets and allow the door to open to 180 degrees.

Standard hinge



Novista Riser Timber door system



Locking

The doors are supplied as standard with a mortice lock that is operated by a square key or, alternatively, a europrofile version is available.

Standard Lock

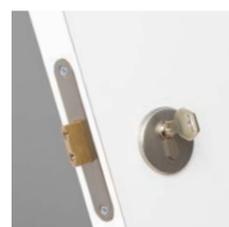
This lock has an 8mm square follower, which is operated by a T key, and a stainless steel ferrule escutcheon is available either with or without a swing cover.



Standard Lock

Europrofile Lock

This deadlock is suitable for a single europrofile cylinder, which provides additional security and enables the doors to be integrated into a master key system if required.



Europrofile Lock

Fire Signage

It is a mandatory requirement that all fire rated doors have an appropriate fire sign with white letters and a blue background.

There are two standard options: a 75mm self adhesive rigid PVC disc, which is fixed to the face of the door, or the "Lollipop" type, which is fixed to the leading edge of the door leaf.



Performance

Fire

The Novista Riser Timber system has been fire tested by BM Trada to EN1634 for FD30 door leaves up to 2500mm high and 1000mm wide for singles and 2000mm wide for doubles. FD60 doorsets have been tested to 2200mm high and 930mm wide for singles and 1860mm wide for doubles.



Smoke

The Novista Riser Timber doorsets have a neoprene compression seal that the door leaf closes onto, which prevents cold smoke from passing through the doorset.

The doorsets have been tested to the EN1634-3 standard and have an EN13501-2 classification of Sa (cold smoke).



The seals have also been fire tested for 1 hour to EN1634 without compromising the fire resistance of the doorset.



Acoustic

The Novista Riser Timber doorset is supplied with a solid core door leaf as standard, and with the perimeter seals it can achieve an acoustic rating of 35dB.

Frame/Wall Gap

It is very important that the gap between the back of the door frame and the wall is filled with the correct material to ensure that the Novista Riser doorset achieves the required fire rating.

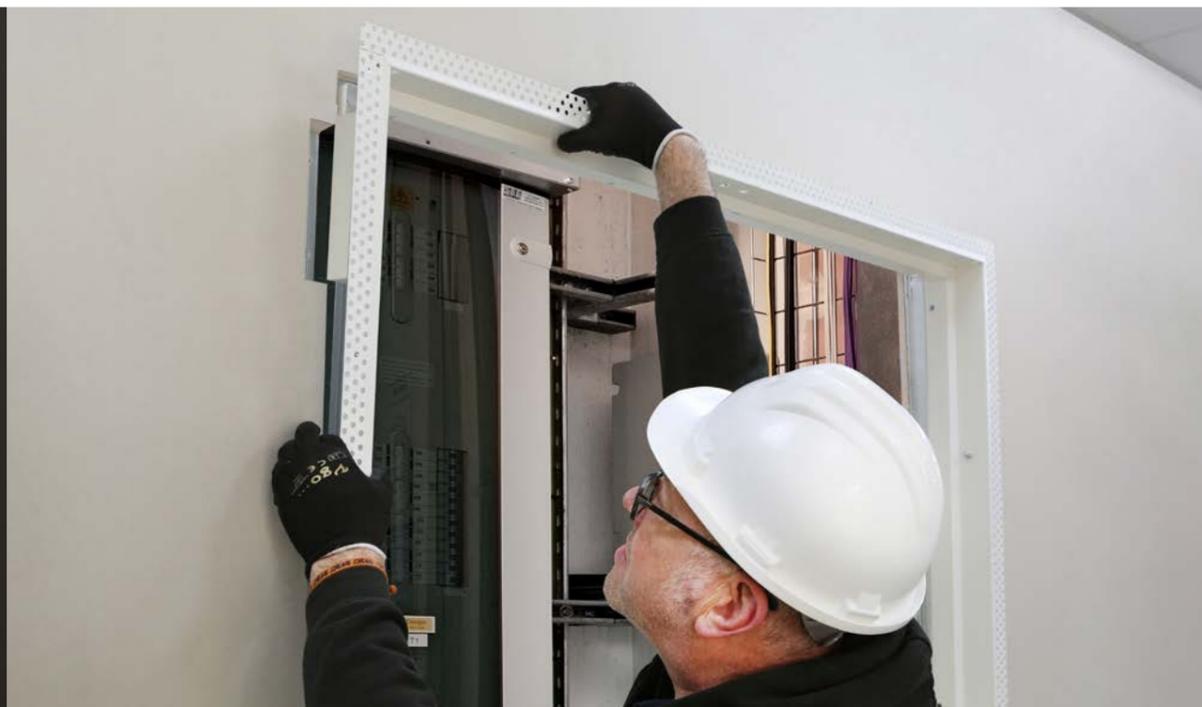
Information on the tested options are detailed in the Fire Stopping data sheet.



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Novista Riser Timber Installation/Wall Types



The Novista Riser Timber doorsets have been successfully fire tested in various different flexible and rigid wall constructions, and as a result, they can be installed in blockwork, timber stud or metal stud walls appropriate to the required fire certification.

The Novista Riser Timber frame has pockets at the back of the frame to house the concealed hinges and lock box. A section of the wall will need to be cut away to allow the frame to be installed.

We recommend that a double vertical stud is used or possibly a 30mm packer is mounted on top of a single stud. The wall manufacturer should be consulted to ensure compliance with their fire certification.

If a shaft wall system is being used, additional layers of plasterboard can be used. However a wider flange will be required to ensure that the screw fixing at the front locates into the stud.



Stud Wall - Double stud



Stud Wall - Timber packer



Shaft Wall

Novista Riser Timber Finishes



Primed

The Novista Riser Timber door leafs as standard have a primed Kraft paper face, and this can easily be painted on site to match the adjoining wall.

Veneered



The door leaf can be supplied with a veneered face and matching lippings.

Laminated



A wide range of high-pressure laminates are available in a solid colour or wood grain finish from either Egger, Formica or Polyrey.

Factory Painted

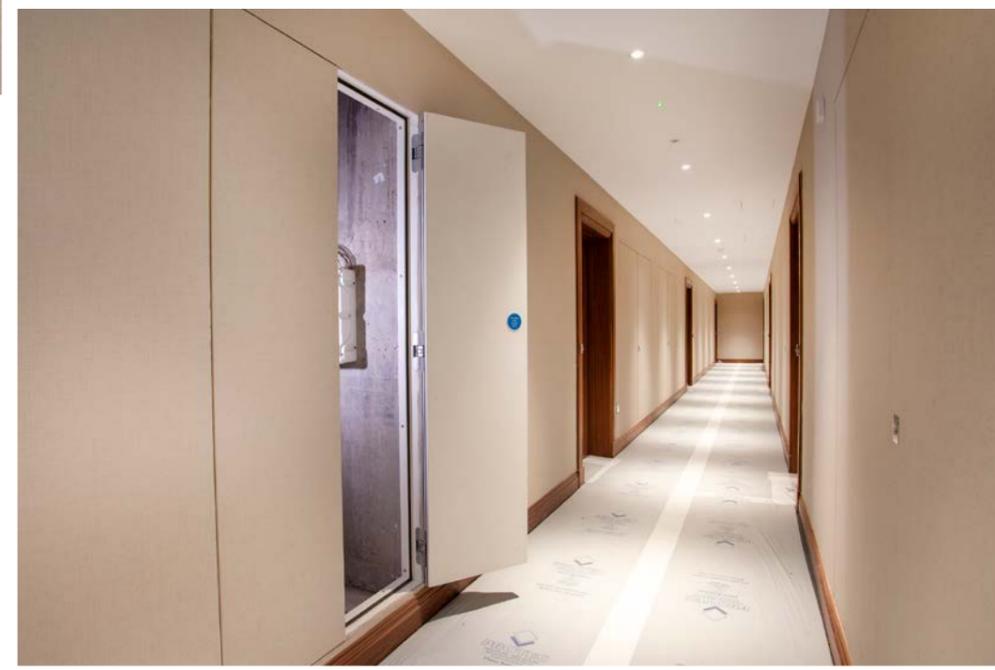


The door leaf can be supplied painted to an RAL colour

Wallpaper



The primed door leaf has a paper face. This is ideal for the wallpaper of your choice to be applied to enable the door leaf to blend in with the adjoining wall.





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