

Uniclass L411			
CV/SIB	(31.5)		

November 2014



**CS<sup>TM</sup> Acrovyn<sup>®</sup> Doors**

Impact Resistant Doorsets

# C/S ACROVYN® DOORS

## Doors you can trust

Designed to stand up to extensive daily wear and tear, C/S Acrovyn® Doors are suitable for use in a wide range of applications including healthcare, education, leisure and transport.

Utilising our tried and tested Acrovyn® impact resistant covering for increased performance and extended lifecycle, they come with fire test evidence to offer our customers complete peace of mind (see p. 17 for further details).

Available in a vast array of options and configurations to satisfy operational, performance and aesthetic requirements, C/S Acrovyn® Doors are the product of choice for any new or refurbished facility requiring a high performance, reliable and easy to maintain solution for high traffic areas.

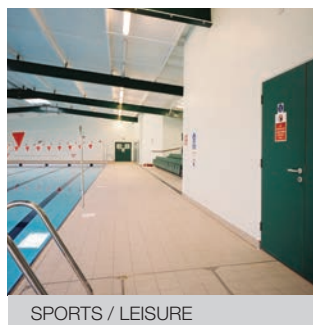
A full selection of complementary C/S Acrovyn® wall and corner protection products is available to allow creation of tailored and fully co-ordinated impact protection schemes, to keep interiors safe and clean, and reduce long term maintenance costs.



HEALTHCARE / CARE HOMES



EDUCATION



SPORTS / LEISURE



TRANSPORT

## COMPANY PROFILE

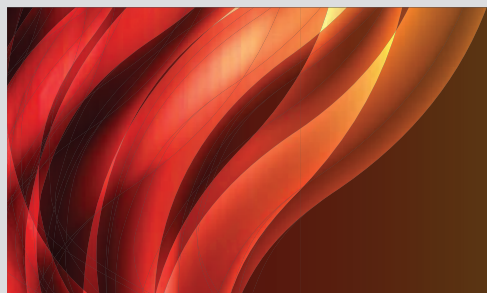
Construction Specialties operates through 22 offices worldwide, and has key manufacturing locations or Sales Offices in most European countries.

The UK Head Office, based in Buckinghamshire, is the sales and manufacturing hub for servicing markets across the UK, Ireland, Nordic Countries, Latvia, Estonia and Malta, through a network of experienced and professional technical sales representatives.

Our product range includes wall protection systems, impact resistant doors, entrance matting systems, specialist coatings for walls and floors, expansion joint covers, solar shading, cubicle curtain track, louvres and pressure relief systems.

These have been successfully installed in many of the world's most prestigious buildings, across a spectrum of business sectors including healthcare, transport, retail, leisure and commercial offices.

# CONTENTS



## FIRE TEST EVIDENCE

When it comes to fire performance, there is no room for compromise. That is why C/S Acrovyn Doors have been fire tested to BS 476-22:1987 to give our customers complete peace of mind (see p. 17 for details).



## THIRD PARTY CERTIFICATION


We can supply Fire Doors under the BM TRADA Q-Mark Fire Door Manufacture Scheme to BS 476-22, one of the most rigorous certification processes available for construction products.

Our unique certification number is 702

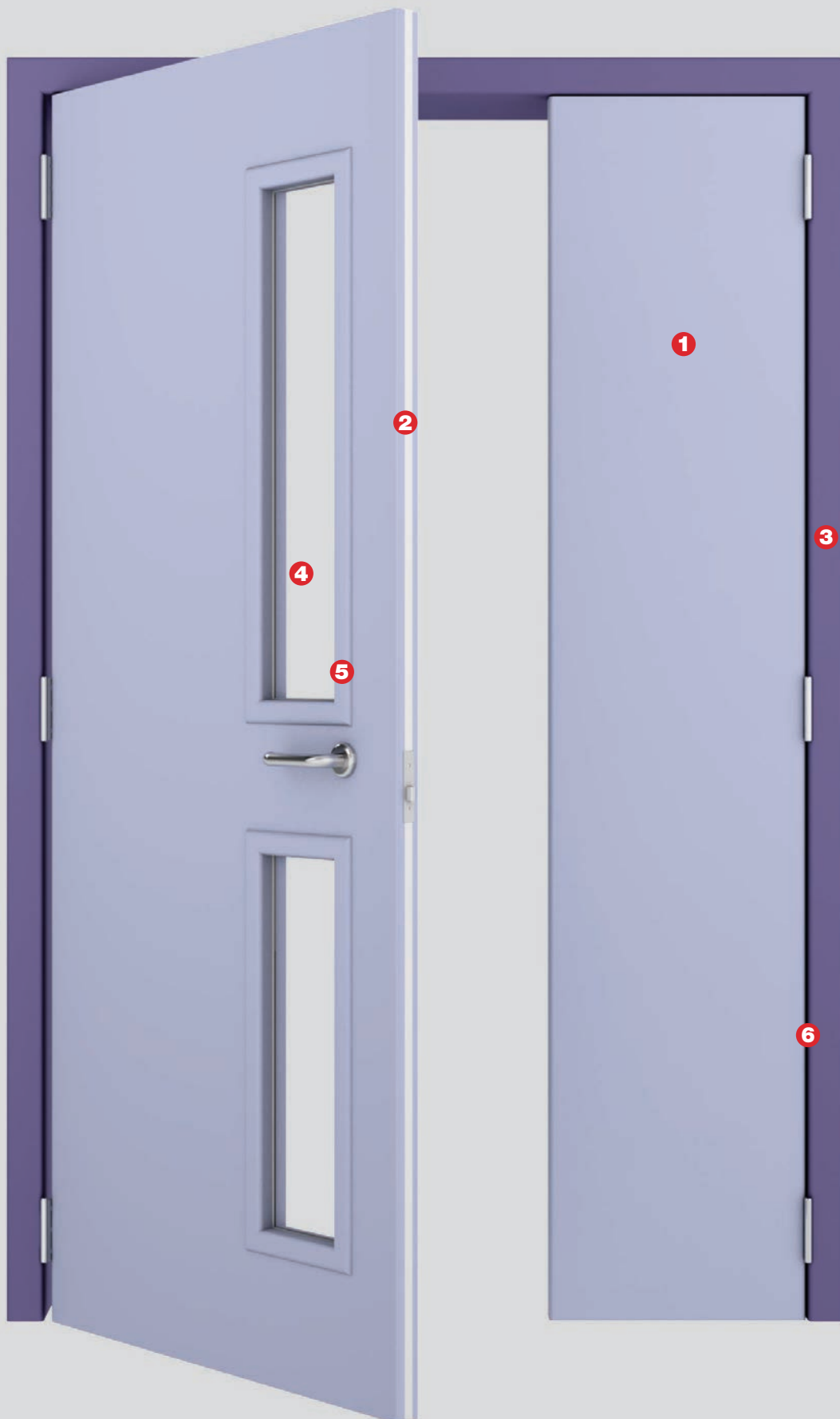


## MEMBERSHIP

As an active member of trade associations, we stay ahead of legislative changes and building regulations affecting our products, to ensure we deliver fully compliant solutions for our customers.

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# FEATURES AND BENEFITS



Robust in construction, yet stylish in appearance, Acrovyn® Doors have been designed to provide a long lasting and low maintenance solution for many challenging environments.

Our tried and tested Acrovyn® material provides an impervious surface finish, when applied to door faces, edges and door frames. It is resistant to damage from impact, bacterial growth and many chemicals.

## 1 IMPACT RESISTANT CLADDING

Our through-colour, lightly textured Acrovyn material provides resistance to impact damage and effectively hides scratches. The cladding is applied to door faces and vertical door edges. It can also be used on the top and bottom edge of the door for ultimate protection.



Tested and proven to be resistant to bacterial and fungal growth, Acrovyn is also easy to clean, which makes it ideal for hygiene sensitive areas.

*For further information on cladding options available for our door leaves see p. 7.*

## 2 DOOR EDGE PROTECTION

Door edges are particularly vulnerable to damage from impact, which is why Acrovyn wrapped edges are a standard feature on all our door leaves.



For areas requiring a particularly severe duty solution, such as busy corridors with regular trolley traffic, replaceable Acrovyn Door Edge Protectors can be applied to one or both door leaf edges.

Tested to be suitable for 30min and 60min fire doors, and available in non-fire rated versions, Door Edge Protectors can match the colour of the door face, or provide a visual contrast.

*See p. 7 for cladding configurations and p. 14 for further details on our replaceable Door Edge Protectors.*

## 3 DOOR FRAME PROTECTION

Acrovyn Doors are typically specified complete with a door frame and supplied factory pre-hung to ensure the best possible fit.

Solid and split frame options can be offered, and we recommend that the frames are also clad in Acrovyn to protect them from impact damage.



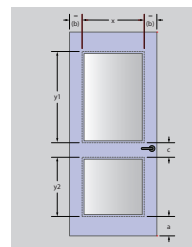
Contrasting colours can be used on frames to meet Approved Document M requirements for visual contrast.

*A full selection of frame options is included on p. 13.*

## 4 GLAZING CONFIGURATIONS

Our standard offering includes a wide range of glazing configurations to offer Approved Document M compliance where required, and to suit various operational requirements. Options include privacy panels, and specialist panels for X-ray areas.

*See p. 10-11 for further information.*



## 5 GLAZING BEADS

From simple lacquered hardwood, through a range of stylish beads finished in Acrovyn, to cleanroom finish options, there is a solution for every project.

A matching or contrasting colour can be specified for Acrovyn wrapped beads.

*A full selection of beads can be viewed on p. 12.*



## 6 COLOUR OPTIONS

With 30 solid colour options and a range of Faux Wood and Faux Metal finishes, Acrovyn Doors can enhance and complement any interior design. Approved Document M requirements for visual contrast can easily be met by selecting contrasting colours for door leaves and door frames.

*For full range of colours, including 6 smooth finishes, refer to p. 15. LRV (CIE Y) values have been included on this page to aid creation of legislation compliant schemes.*



For further information on Acrovyn Doors visit:

[www.c-sgroup.co.uk/acrovyn-doors](http://www.c-sgroup.co.uk/acrovyn-doors)



# DOOR TYPES

Suitable for any new or retrofit project requiring a highly durable, impact resistant and easy to clean solution, C/S Acrovyn® Doors will reduce ongoing maintenance costs.

Manufactured to project design requirements and dimensions, they are available in a range of options and styles to satisfy operational, safety and aesthetic project needs. This includes solutions suitable for X-ray areas or wet environments.

Our Fire Doors, which have been tested to ensure their safety and reliable fire performance, can be supplied with third party BM TRADA Q-Mark certification.

The following standard options can be specified for Acrovyn Doors:

## FIRE PERFORMANCE

- FD30
- FD30S
- FD60
- FD60S
- Non-fire rated (NFR)

## DOOR THICKNESS

- 44mm (FD30, FD30S, NFR)
- 54mm (FD60, FD60S)

## DOOR CORES\*

- Graduated density chipboard (GDC)
- Laminated wood strip core

Furthermore, a comprehensive selection of **cladding options** (p. 7), **doorset configurations** (p. 8-9), **glazing** (p. 10-12) and **frame styles** (p. 13) is available to create a bespoke solution to meet project needs.

\* Please stipulate when ordering, if you require FSC chain of custody certification for Acrovyn Doors.

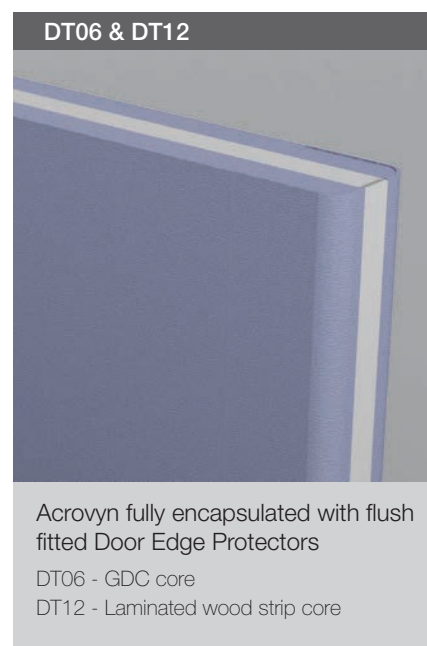
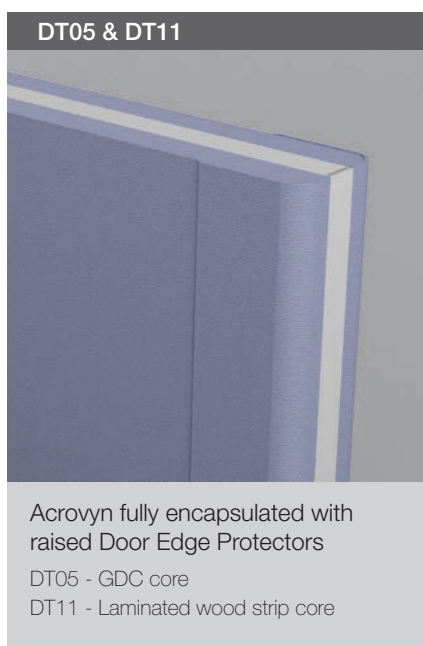
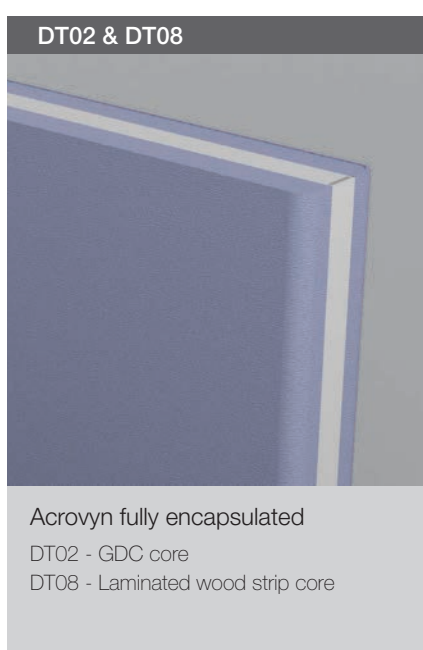


# CLADDING OPTIONS

We offer a range of cladding configurations to suit performance requirements.

In post-formed solutions, Acrovyn® Sheet is applied to the faces and vertical edges of a door leaf, increasing the door's strength and resistance to damage from impact. When the same material is added to the top and bottom edges of the door, the resulting fully encapsulated unit is capable of meeting the most stringent hygiene requirements.

In addition, several options incorporate Door Edge Protectors, which can be replaced in case of damage occurring to vulnerable vertical edges, without the need to source a whole new door leaf.

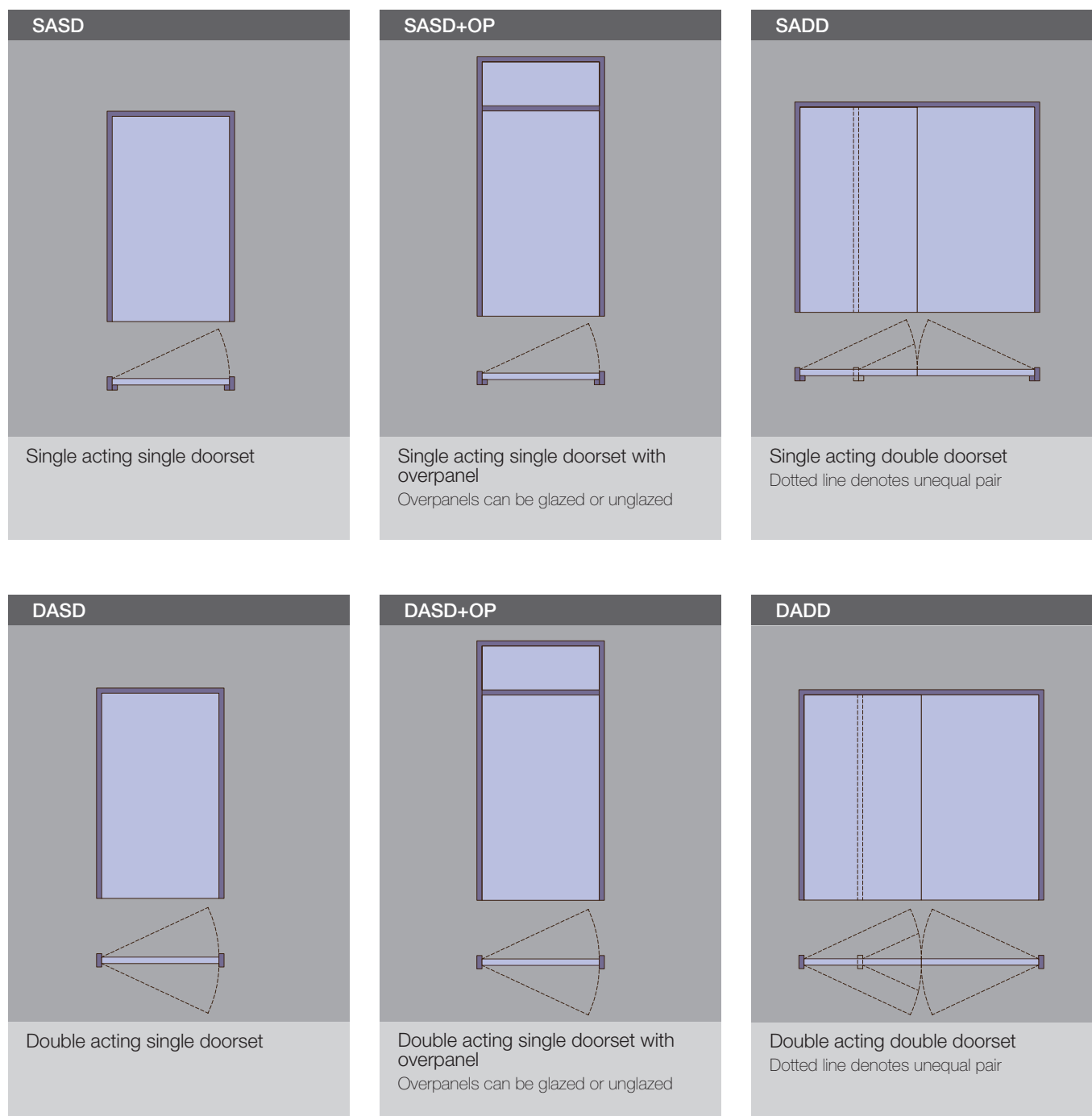


# DOOR CONFIGURATIONS AND HANDINGS

All typical door configurations can be produced to meet a building's operational requirements.

Standard options are displayed below, including single and double acting doorsets, all of which can be supplied with overpanels.

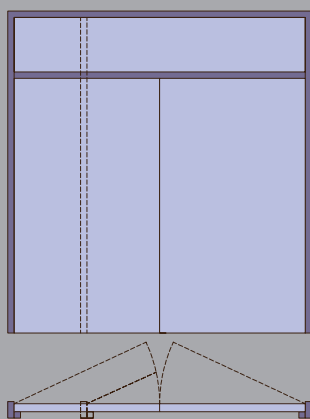
Overpanels are typically of the same construction as the door leaves, separated by a transom of the same specification as the timber door frame. Glazed units can also be provided, if preferred.







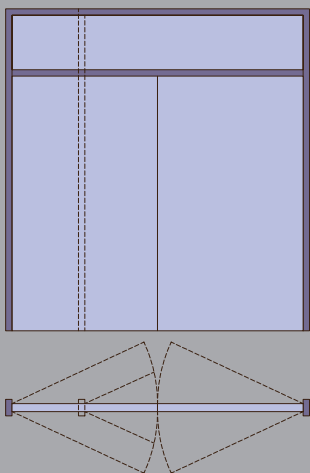
### SADD+OP



Single acting double doorset with overpanel

Dotted line denotes unequal pair  
Overpanels can be glazed or unglazed

### DADD+OP



Double acting double doorset with overpanel

Dotted line denotes unequal pair  
Overpanels can be glazed or unglazed

### DOOR HANDINGS

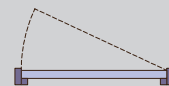
We use a door handing system based on BS EN 12519:2004, where the hinge knuckle side of the door is referred to as an 'opening face', and the frame door stop side of the door is referred to as a 'closing face'.



The handing of the door is then determined when the doorset is viewed from the closing face of the door, as follows:

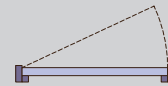
#### SINGLE DOORSETS

##### LH



Left hand closes towards

##### RH

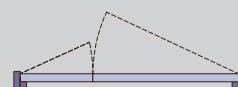


Right hand closes towards

#### DOUBLE DOORSETS - UNEQUAL PAIRS

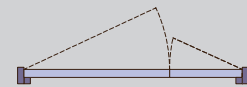
We use the same handing principle for unequal pairs, applied to the primary leaf of the doorset:

##### UNPR LH



Left hand closes towards

##### UNPR RH

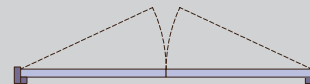


Right hand closes towards

#### DOUBLE DOORSETS - EQUAL PAIRS

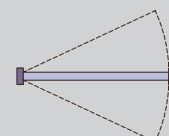
Equal pair doorsets are usually reversible, but can be handed to identify the primary (or first opening) leaf.

##### EQPR

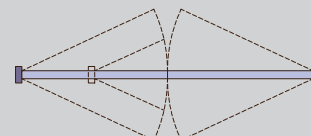


#### DOUBLE ACTING DOORSETS

Double acting doorsets are reversible and as such are generally not handed.



Single Doorset  
Double Acting

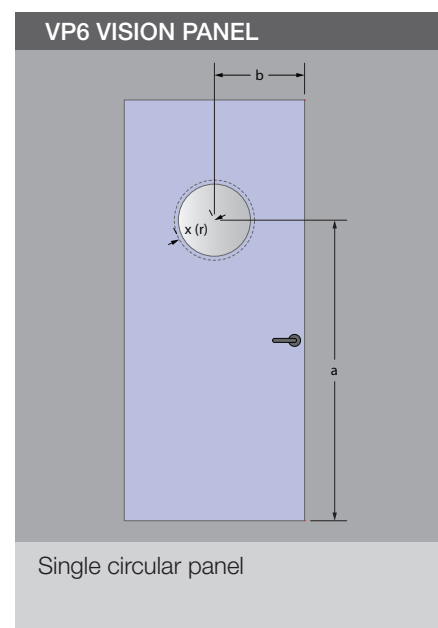
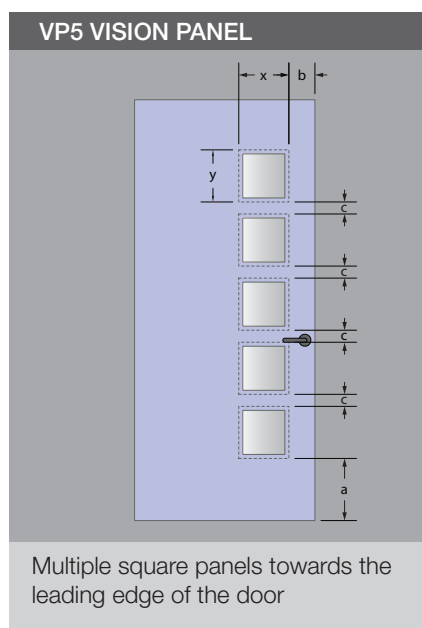
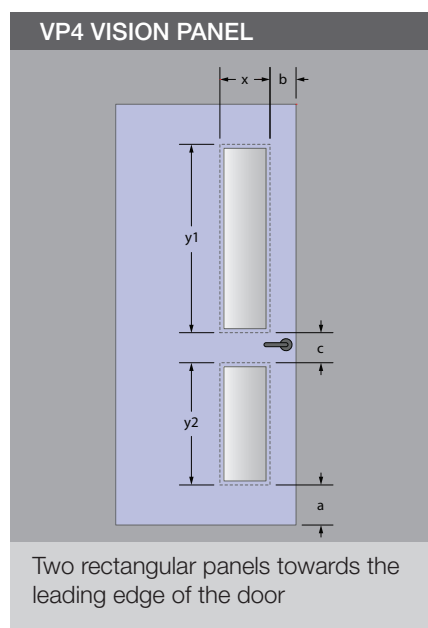
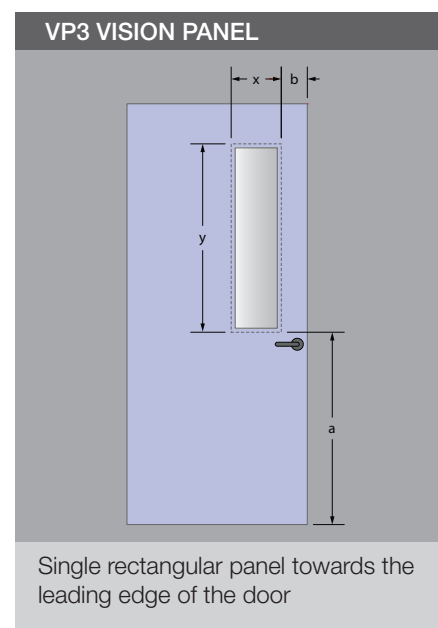
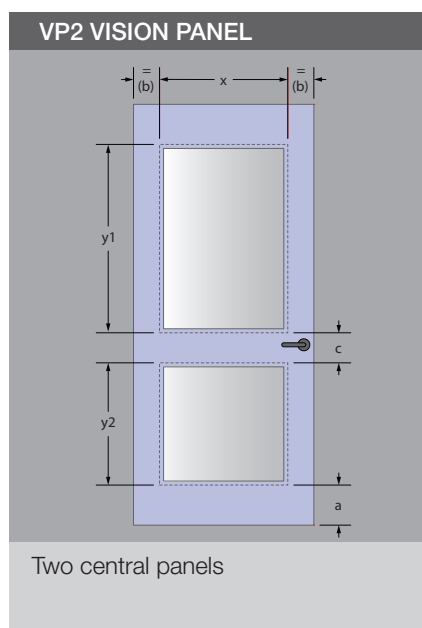
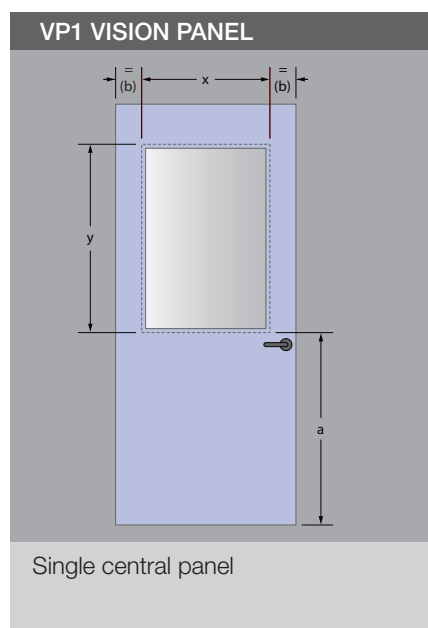


Double Doorset (Equal / Unequal pairs)  
Double Acting

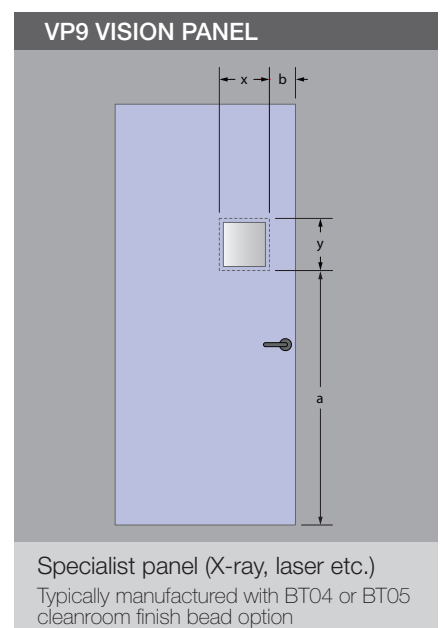
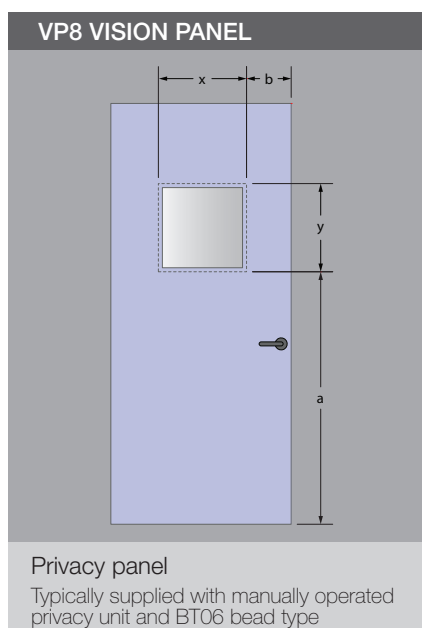
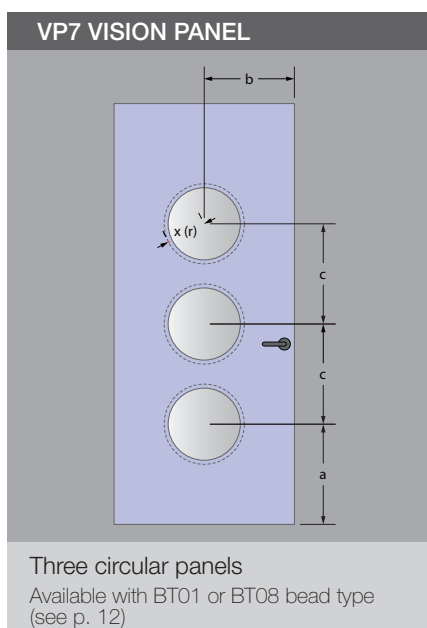
# GLAZING CONFIGURATIONS

Glazing options for interior doors can be specified for aesthetic or functional reasons, to allow light into a room, or to ensure safety and accessibility for all building occupants and users. For public access areas in particular, minimum visibility zone requirements need to be met to ensure legislation compliance.

C/S Acrovyn® Doors offer a wide variety of standard vision panel options to satisfy all design requirements, including privacy panels and specialist solutions for X-ray areas. Glazing units are manufactured to project specific sizes\*.



\* All dimensions are project specific, within the following limitations:  $a \geq 100\text{mm}$  ( $\geq 250\text{mm}$  for VP5),  $b \geq 100\text{mm}$ ,  $c \geq 100\text{mm}$ . Please note dimensions shown are aperture sizes and an appropriate margin should be deducted to calculate the clear view size.



**LEGISLATION COMPLIANCE - APPROVED DOCUMENT M and BS 8300**

**MINIMUM ZONE OF VISIBILITY**

To satisfy the requirements of Approved Document M and BS 8300:2009+A1:2010, vision panels need to be included in doors and side panels wider than 450mm, to provide a visibility zone between 500mm and 1500mm above the finished floor level.

BS 8300 allows interruptions within the visibility zone to provide strength, or to accommodate door furniture, as long as the maximum obstruction is not greater than 350mm (i.e.  $x + x \leq 350\text{mm}$ ).

BS 8300 also stipulates that individual vision panels must be at least 100mm wide.

Please note that interior doors leading to spaces that need to meet the requirements of privacy, security or light control, such as changing rooms, X-ray areas and cinemas, do not have to comply with the above regulations.

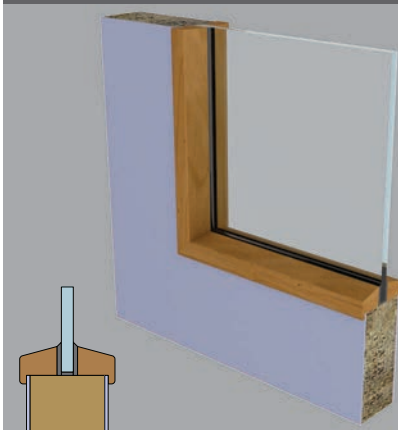
\* All given dimensions relate to the clear view area and not aperture area.

# GLAZING BEAD OPTIONS

Our comprehensive selection of glazing beads will satisfy any functional and aesthetic requirements.

It includes cleanroom finish options designed specifically for hygiene sensitive environments, and obscurable vision panels - finished neatly with Acrovyn wrapped bead - for areas requiring privacy, but also observation and monitoring.

BT01

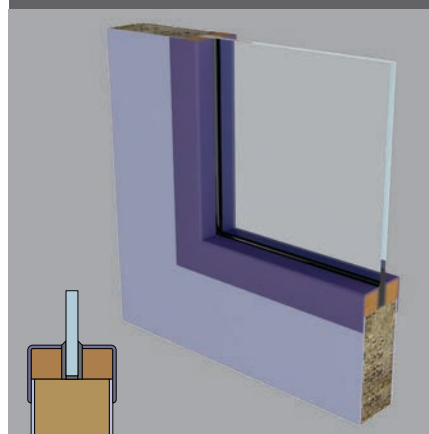


## Lacquered hardwood

Available for FD30 (shown), FD60 and NFR doors.

Can be used with all glazing configurations (see p. 10-11).

BT02

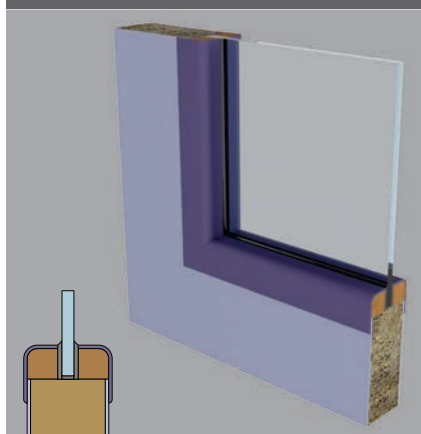


## Acrovyn square wrapped

Available for 30min (shown), 60min and NFR doors. Bead colour can match or contrast the door face colour.

Cannot be used with VP6 and VP7 glazing (see p. 10-11)

BT03

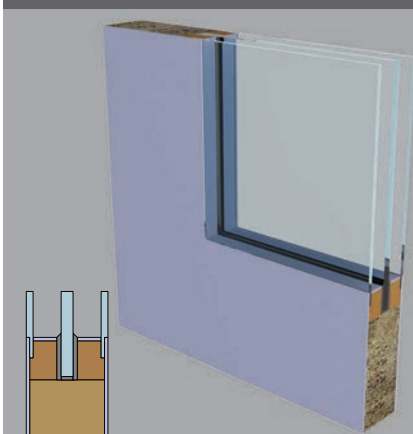


## Acrovyn rounded wrapped

Available for 30min (shown), 60min and NFR doors. Bead colour can match or contrast the door face colour.

Cannot be used with VP6 and VP7 glazing (see p. 10-11)

BT04 &amp; BT05

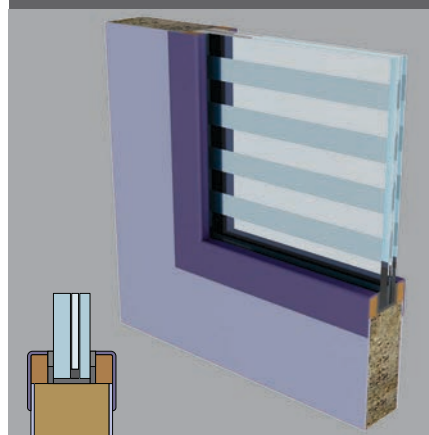


## Cleanroom finish

BT04 is available for fire rated doors (30min shown). BT05, which is supplied without an internal glass pane, is suitable for NFR doors.

Typically used with VP9 glazing (see p. 11)

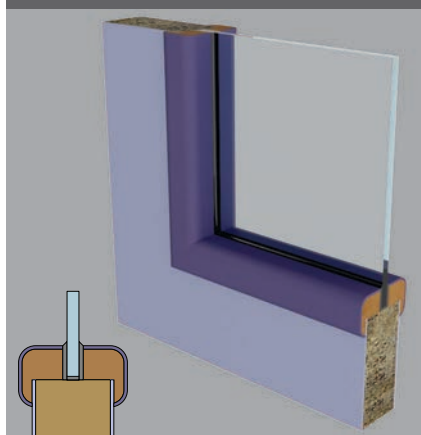
BT06



## Privacy panel bead

Available for 30min (shown), 60min and NFR doors, and is typically produced in VP8 style (see p. 11) in a matching or contrasting colour. Supplied complete with a manually operated privacy unit.

BT07

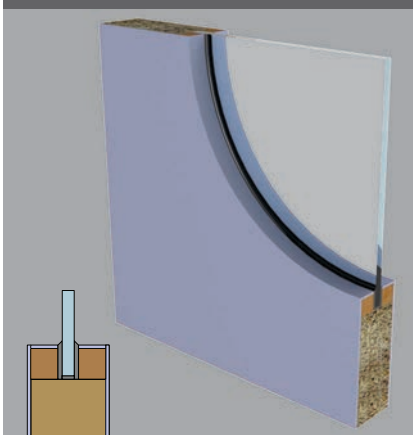


## Acrovyn wrapped 'hockey-stick' style

Available for 30min (shown), 60min and NFR doors. Bead colour can match or contrast the door face colour.

Not suitable for circular glazing units.

BT08



## Acrovyn flush wrapped for circular glazing

Bead solution suitable for circular glazing units VP6 and VP7 (see p. 10-11).

Available for 30min (shown), 60min and NFR doors.

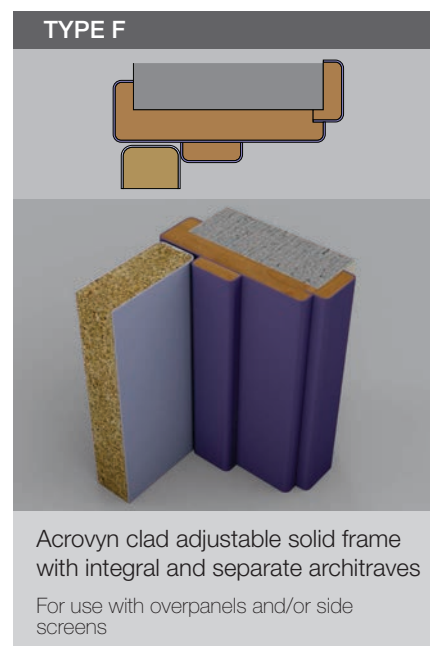
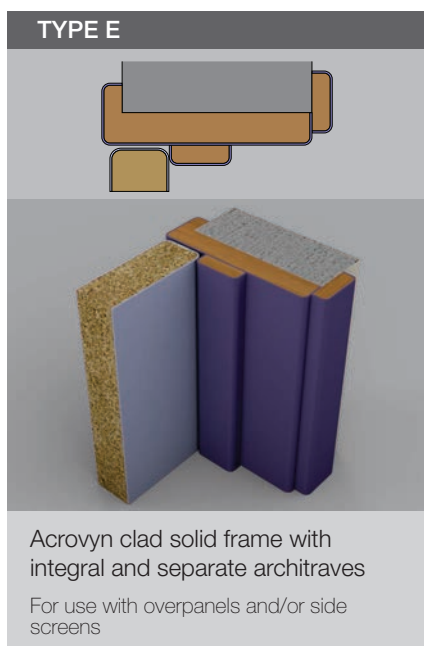
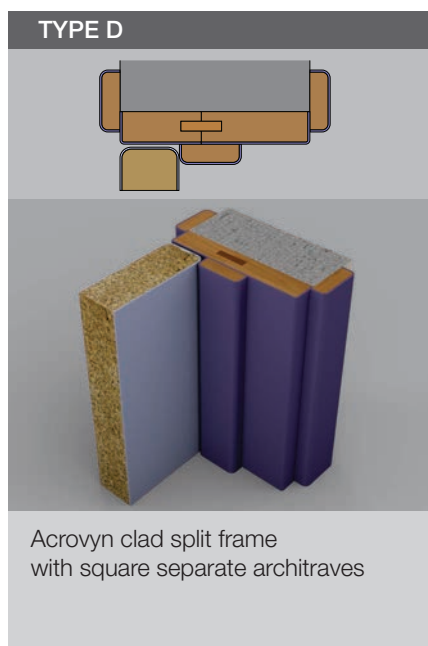
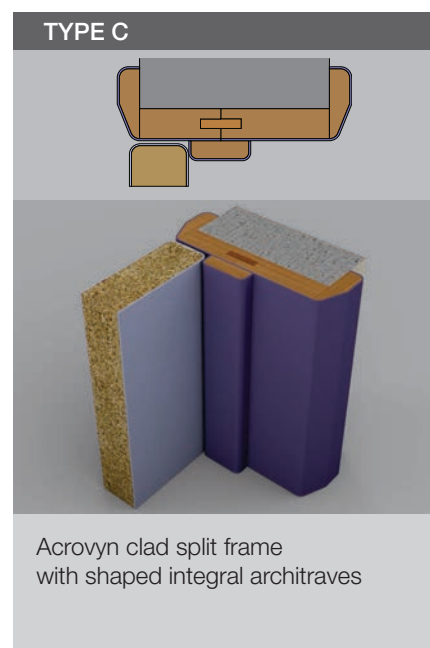
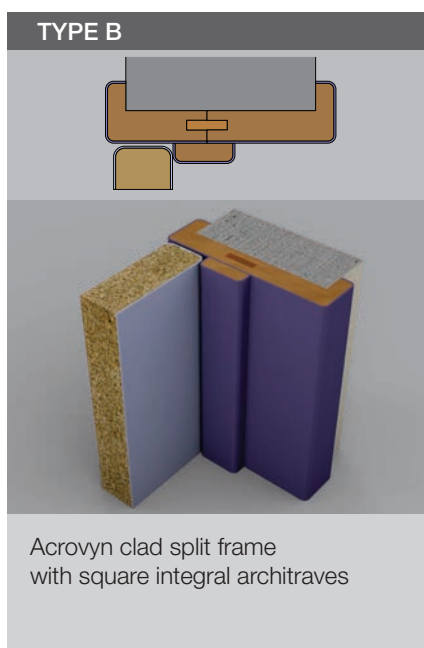
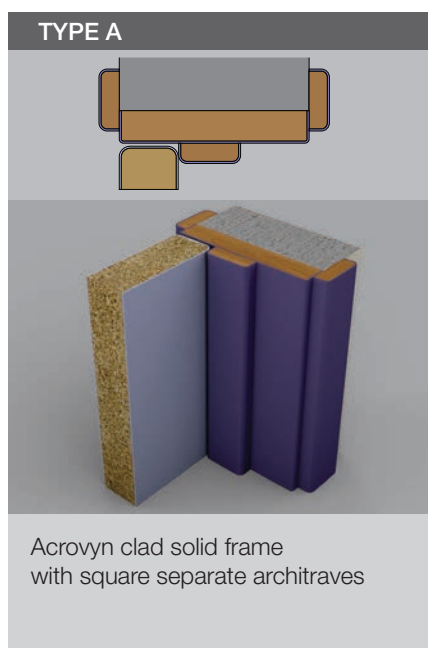
# FRAME OPTIONS

Constant flow of pedestrian and wheeled traffic takes its toll on door frames, too. For increased doorset strength and maximum lifecycle, we recommend Acrovyn® clad door frames. Other frame materials can be offered if required.

All frames are designed for a second fix installation into openings prepared on-site. Standard options include a solid frame construction and split frame variants for installation flexibility.

To satisfy visual contrast requirements as outlined in Approved Document M, frames can be supplied in a contrasting colour to door leaves.

Note: For standard architrave and door stop dimensions please refer to technical datasheets. Visit [www.c-sgroup.co.uk/acrovyn-doors](http://www.c-sgroup.co.uk/acrovyn-doors) or call +44 (0)1296 652800 for a copy.

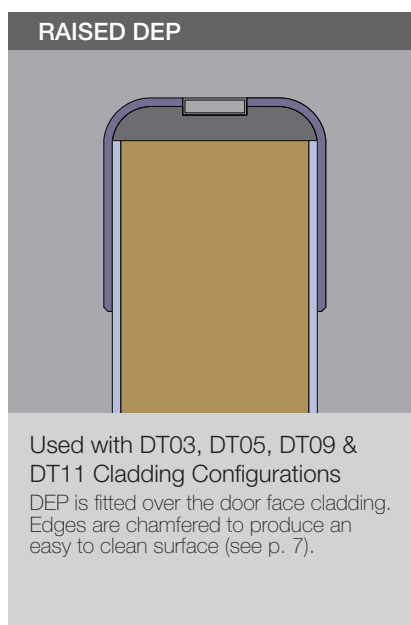
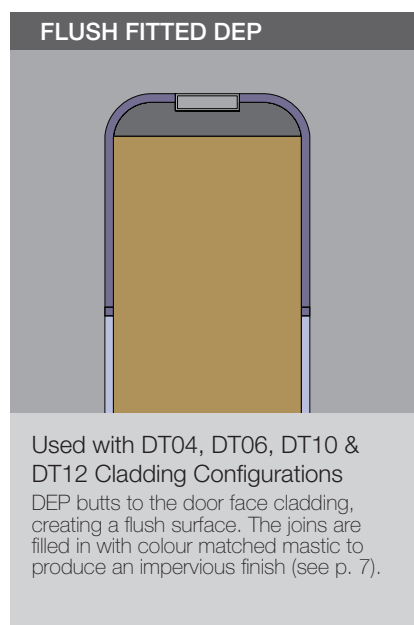




# C/S ACROVYN® DOOR EDGE PROTECTORS

Replaceable Acrovyn® Door Edge Protectors (DEPs) reduce damage and expensive repair costs to door edges, keeping them safe and extending the lifecycle of the door itself. As such, they are recommended for areas with particularly heavy traffic and trolleys in use, where regular and severe impact to door edges can be expected.

Fire tested and assessed for a wide range of door constructions, they can be used on 30min and 60min fire doors, and are suitable for non-fire rated doors.



Our DEPs incorporate an 8mm Acrovyn lipping inside an Acrovyn channel and a concealed screw fixing. They are a standard feature of a number of cladding configurations (see p. 7 for all available options).

**NOTE: C/S Acrovyn Door Edge Protectors are designed and tested for use with fire door assemblies of proven fire resistance to current BS and EN test methods. They are not intended to upgrade non-fire rated door assemblies to fire resisting assemblies.**

Acrovyn DEPs have been tested and assessed to BS 476-22:1987 achieving in excess of 30min and 60min fire resistance when tested as part of timber based fire door assemblies. Chiltern International Fire Ltd test reports RF11059, RF11061 and assessments ChiltA11129 and ChiltA11130 refer.

Where smoke seals are incorporated into the Acrovyn Door Edge Protectors to provide cold smoke control, the smoke seal elements have been independently tested to BS 476 Part 31.1 and have achieved leakage rates not exceeding 3m³/m/hr when tested at 25 Pa.

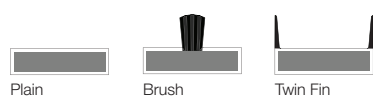
## SEALS AND HARDWARE

### INTUMESCENT & SMOKE SEALS

The configuration of fire and cold smoke seals fitted in Acrovyn Doors is determined by fire/smoke performance required and complies with fire test/assessment data available for our products.

Standard options for seals are:

- **Fire seal** - 15mm x 4mm seal
- **Combined fire/cold smoke seal** - 15mm x 4mm seal with brush pile or twin elastomeric fins



Standard colours:

Plastic carrier



Brushes/fins



### HARDWARE

Acrovyn Doors are supplied complete with quality stainless steel hinges.

The following options are available:

- **Hinge 01** - lift-off hinge
- **Hinge 02** - butt hinge

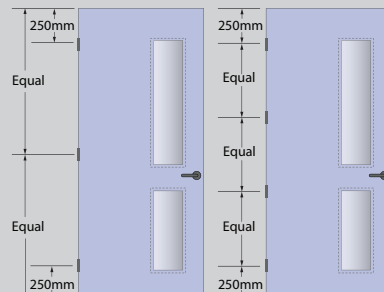
All hinges supplied are highly durable, maintenance free and feature radiused corners.

Where doorsets are required, door leaves will be supplied pre-hung in door frames to ensure the best possible fit.

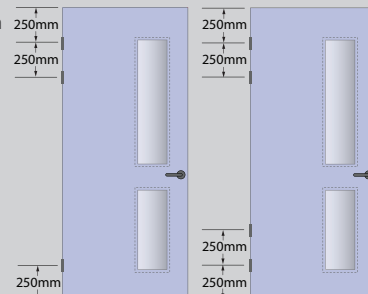
Other hardware items should be supplied and fitted by door installation teams in accordance with the relevant fire test evidence, so that the door's fire performance is not compromised.

### STANDARD HINGE POSITIONS

If maximum resistance to warping is required, hinges are positioned with equal spacings.



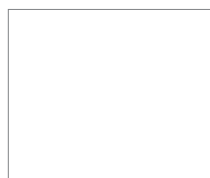
For maximum load bearing capability, 2 hinges are fitted high and 1 or 2 hinges low.





# COLOURS & FINISHES

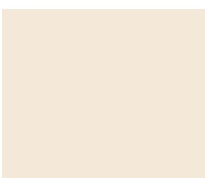
## ACROVYN SOLID COLOURS



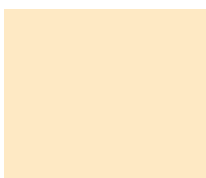
9003 Snow White\*  
LRV\*\* 84



933 Mission White  
LRV\*\* 79



100 Eggshell  
LRV\*\* 73



101 French Cream\*  
LRV\*\* 70



14 Mimosa  
LRV\*\* 80



2012 Salmon  
LRV\*\* 28



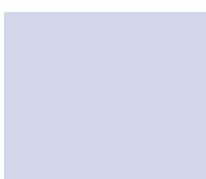
801 Grey Cloud\*  
LRV\*\* 64



24 Dove\*  
LRV\*\* 49



11 Alpine Blue\*  
LRV\*\* 50



663 Violet  
LRV\*\* 44



16 Harvest Gold  
LRV\*\* 72



845 Spectrum Red  
LRV\*\* 20



10 Mint Green  
LRV\*\* 58



136 Pearl Grey  
LRV\*\* 39



111 Wedgewood Blue  
LRV\*\* 32



520 Imperial Purple  
LRV\*\* 23



17 Sherbet  
LRV\*\* 50



966 Burgundy  
LRV\*\* 11



879 Dusty Jade\*  
LRV\*\* 47



162 Charcoal  
LRV\*\* 22



112 Pacific Blue  
LRV\*\* 26



25 Storm  
LRV\*\* 24



105 Mocha  
LRV\*\* 23



193 Gingerspice  
LRV\*\* 25



6033 Mint Turquoise  
LRV\*\* 30



967 Hunter Green  
LRV\*\* 12



12 Cobalt  
LRV\*\* 25



129 Yale Blue  
LRV\*\* 11



26 Taupe  
LRV\*\* 24



108 Black  
LRV\*\* 10

## ACROVYN FAUX WOOD & FAUX METAL FINISHES



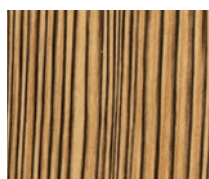
Arctic 01  
LRV\*\* 61



Natural 02  
LRV\*\* 37



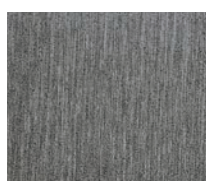
Honey 03  
LRV\*\* 25



Zebrano 83  
LRV\*\* 29



Brushed Aluminium 06  
LRV\*\* 35



Brushed Nickel 80  
LRV\*\* 20



Carbon 07  
LRV\*\* 11

Standard Acrovyn texture is Pebblette.  
\* Indicates colours also available in smooth Acrovyn Hydroclad.

\*\* Light Reflectance Value (LRV) indicates the amount of light reflected by a surface and can be used to assess the degree of visual contrast between different surfaces. CIE Y value has been displayed for each of our colours and finishes.

Note: Due to limitations of print & computer screens actual colours may vary from those displayed. Colour swatches are available upon request.

# SPECIFICATION GUIDANCE



To assist architects and other specifiers with writing product specifications, we are members of NBS Plus. Our products can be selected when working within NBS Building or NBS Create software. We also offer specification assistance, if required.

NBS specifications for C/S Acrovyn® Doors are part of Section L20. A typical example is included below:

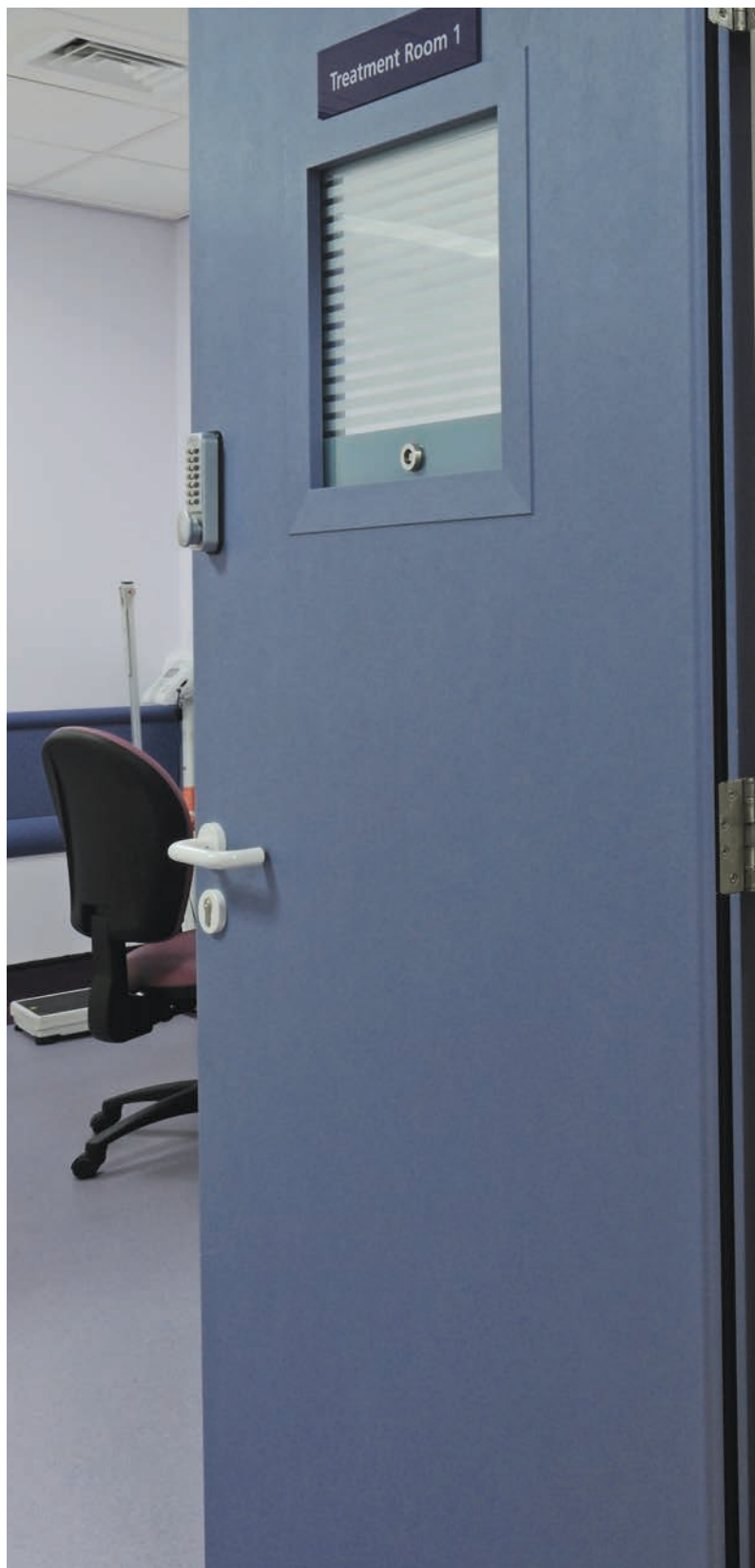
## L20 DOORS/SHUTTERS/HATCHES 430A IMPACT RESISTANT WOOD DOORSETS

Manufacturer: Construction Specialties (UK) Ltd  
1010 Westcott Venture Park, Westcott, HP18 0XB  
Tel: +44 (0)1296 652800 Fax: +44 (0)1296 652888  
Email: nbs@c-sgroup.co.uk Web: www.c-sgroup.co.uk

Product reference: **C/S Acrovyn® Doors.**

- Type: [ ] - Choose from options on p. 7 (e.g. DT01) or [As drawing/schedule].
- Configuration: [ ] - Choose from options on p. 8-9 (e.g. SADD) or [As drawing/schedule].
- Fire rating: [ ] - Insert fire resistance rating required: FD30, FD30S, FD60, FD60S or non-fire rated or [As drawing/schedule].
- Third party accreditation: [ ] - Insert BM TRADA Q-Mark or 'Not required'.
- Door finish: [ ] - Insert Acrovyn Pebblette Texture or Acrovyn Hydroclad Smooth
- Door colour: Faces: [ ] - Choose from colours on p. 15  
Edges: [ ] - Contrasting colour can be specified for cladding types with replaceable Door Edge Protectors (e.g. DT03, see options on p. 7). See p. 15 for colours. or [As drawing/schedule].
- Vision panels: [ ] - Choose from options on p. 10-11 (e.g. VP2) or [Not required] or [As drawing/schedule].
- Beading: Type: [ ] - Choose from options on p. 12 ensuring compatibility with vision panel configuration. or [Not required]  
Colour: [ ] - Choose from colours on p. 15. or [As drawing/schedule].
- Door frame: Type: [ ] - Choose from options on p. 13 (e.g. A).  
Finish: [ ] - Insert Acrovyn Pebblette Texture, Acrovyn Hydroclad Smooth, painted finish, unfinished or other requirements  
Colour: [ ] - Choose from colour options on p. 15. or [As drawing/schedule].
- Hinges: Type: [ ] - Insert Hinge 01 or Hinge 02 (see p. 14).  
Number per leaf: [ ] - Insert 3 or 4
- Seals: Colour: [ ] - See p. 14 for available options.  
Smoke seal type: [ ] - Insert 'Brush' or 'Twin fin'
- Specialist application: [ ] - Include description if doorsets required for specialist areas e.g. X-ray, wet areas.

Acrovyn clad door leaves or door frames can also be specified separately and would most typically be included in 270 WOOD DOORS or 370 DOOR FRAMES clauses.



# PERFORMANCE

## FIRE PERFORMANCE

Acrovyn Doors have been tested and assessed to BS 476-22:1987 achieving in excess of 30min and 60min fire resistance when tested as part of timber based fire door assemblies.

Our doors are produced under the following assessments, in accordance to BS 476-22:1987:

ASSESSMENT/ TEST REPORT	DOORSET DESCRIPTION	RATING
Chilt/A11129	Door Edge Protectors for use with 30min Fire Resisting Doorsets	30min
Chilt/A11130	Door Edge Protectors for use with 60min Fire Resisting Doorsets	60min
Chilt/A01204	30 Optima* Doorsets	30min
Chilt/A01205	60 Optima* Doorsets	60min
FEA/F97174	30 Prima* Doorsets	30min
FEA/F96103	60 Prima* Doorsets	60min
Chilt/A12151	Blankfort* 30 & Blankfort 30+ 30min Fire Resisting Doorsets	30min
Chilt/A12152	Blankfort* 60 & Blankfort 60+ 60min Fire Resisting Doorsets	60min
Chilt/A02066	Strebord* 35+ Strebord 38+ Strebord 44 Strebord Superspan for 30min Fire Resistance	30min
Chilt/A02067	Strebord* 54 60min Fire Resistance	60min
Chilt/A09104	Strebord* 44 Panelled Doorsets 30min Fire Resistance	30min
Chilt/A10152	Strebord* 54 Panelled Doorsets 60min Fire Resistance	60min

Where smoke seals are incorporated into Acrovyn Doors to provide cold smoke control, the smoke seal elements have been independently tested to BS 476-31.1:1983 and have achieved leakage rates not exceeding 3m<sup>3</sup>/m/hr when tested at 25 Pa.

## MECHANICAL PERFORMANCE

Mechanical strength of Acrovyn Doors has been assessed according to BS EN 1192:2000 'Doors - Classification of strength requirements'.

Our doorsets have been classified as Severe Duty (Class 4), which makes them suitable for all applications, including those where they may be subjected to frequent violent usage.

## CHEMICAL AND BACTERIAL RESISTANCE

Acrovyn Sheet used as a surface finish for Acrovyn Doors and/or Door Frames is formulated to resist most commonly used chemical solutions, and does not propagate the growth of bacteria on a clean surface. However, anti-bacterial properties of the product do not negate the need for a rigorous cleaning regime.

Tested in accordance with BS 2782-8: Method 830A: 1999, BS EN ISO 175: 2001 (Chemical) and BS EN ISO 846: 1997 (Bacterial and Fungal Resistance).

\* Optima and Prima are trade names of Halspan, Blankfort is a trade name of Blankfort Inc. and Strebord is the registered trademark of Falcon Panel Products Ltd.

# SUSTAINABILITY

C/S recognises its responsibility to current and future generations for its role in the preservation and improvement of our global environment.

We are continually working towards more environmentally sound practices.

Our Environmental Management System, which has been independently assessed in accordance to BS EN ISO 14001:2004, has been developed to ensure we continually strive to achieve operational efficiencies and lower our environmental impact.



C/S Acrovyn is a homogeneous, flame retardant and impact resisting material which, when applied to door faces and edges, provides effective and long lasting protection to impact damage, scuffs and abrasion.

Acrovyn is an unplasticised, lead free product, manufactured with no waste, as virgin product can be reformed. It doesn't contain any hazardous ingredients, and it is not classified as being a dangerous preparation according to the EU Directive 88/379/EEC.

Designed to be robust, long lasting and prolong the lifespan of the interior building fabric, C/S Acrovyn Doors and other impact protection products may be able to contribute to the BREEAM points - MAT (Material) 05 - Designing for robustness.

For more information on C/S's environmental practices, please refer to our environmental brochure which is available on our website, or contact Customer Service Team on +44 (0)1296 652800.



# ESTIMATING & ORDERING

To process your pricing enquiries and orders as smoothly as possible, we will require a door schedule including the following information as applicable:

	ESTIMATING	ORDERING
<b>DOOR TYPE &amp; PERFORMANCE</b>		
Door type (e.g. DT01)	✓	✓
Fire rating (e.g. FD30S)	✓	✓
Is third party certification required?	✗	✓
Doorset configuration (e.g. SADD)	✓	✓
Door handing (e.g. LH)	✗	✓
<b>FRAME DETAILS</b>		
Frame type (e.g. A)	✓	✓
Frame finish (e.g. Acrovyn Pebblette Texture)	✓	✓
Frame colour (e.g. 162 Charcoal)	✗	✓
Frame dimensions (structural opening to ffl or frame opening to ffl)	✓	✓ **
<b>DOOR DETAILS</b>		
Door dimensions (leaf height, width & thickness, and other panel dimensions if required)*	✓	✓ **
Door finish (e.g. Acrovyn Pebblette Texture)	✓	✓
Door finish colour (e.g. 112 Pacific Blue)	✗	✓
<b>VISION PANELS</b>		
Vision panel configuration (e.g. VP1)	✓	✓
Vision panel dimensions (height, width & location)	✓	✓
Bead type (e.g. BT01)	✓	✓
Bead finish/colour (e.g. Acrovyn, 24 Dove)	✓	✓
<b>FIRE &amp; COLD SMOKE SEALS</b>		
Seal colour (e.g. White)	✗	✓
Cold smoke seal type, if applicable***	✗	✓
<b>IRONMONGERY</b>		
Hinge type (e.g. Hinge 01)	✓	✓
Hinge number per door leaf	✓	✓
Hinge positions	✗	✓
<b>ADDITIONAL INFORMATION</b>		
Specialist application requirements (e.g. X-ray areas, wet areas)	✓	✓
Is FSC chain of custody certification required?	✗	✓

\* If frame dimensions have already been provided, door leaf sizes are not necessary.

Please note the maximum fully encapsulated (DT02) 44mm thick door leaf size we can manufacture is 2800mm x 1200mm. Wider leaf sizes could potentially be achieved for door cladding configurations incorporating C/S Acrovyn Door Edge Protectors.

This is subject to compatibility with fire test evidence for the specified configuration and some colour limitations. Please contact us to discuss your specific requirements.

\*\* We reserve the right to re-quote in case of discrepancies in sizes provided for estimating and manufacturing.

\*\*\* Unless otherwise specified, brush cold smoke seals will be supplied with FD30S and FD60S doorsets as standard.

# SITework

## INSTALLATION

Acrovyn Doors are supplied to site pre-hung to ensure the best possible fit. We recommend they are installed as a late second fix item.

The correct installation of fire doors is critical to overall performance they achieve in the event of fire. They should therefore only be fitted by competent and experienced professionals.

To ensure that fire door installations are carried out safely, correctly and in compliance with the Building Regulations, BM TRADA and British Woodworking Federation have developed fire door installer schemes. For details visit:

[www.bmtrada.com](http://www.bmtrada.com)  
[www.bwf.org.uk](http://www.bwf.org.uk)

Guidance on the correct installation of fire doors is included in BS 8214:2008 'Code of Practice for Fire Door Assemblies', available for purchase from BSI on <http://shop.bsigroup.com/>

For installation guidance specific to C/S Acrovyn Doors, please contact our Customer Service Team on +44 (0)1296 652800, or visit our website.

## MAINTENANCE & CLEANING

### MAINTENANCE SCHEDULE

Acrovyn Doors should be periodically inspected for signs of potential damage to door leaves or frames, wear in the hardware, or a reduction in the effectiveness of fixings.

This is particularly critical in the case of Fire Doors. BS 8214:2008 recommends that such inspections are carried out at least at six-monthly intervals (more frequently in areas experiencing high volume of pedestrian and wheeled traffic), and that any maintenance or repair is carried out as promptly as possible to ensure fire resistance is maintained.

### CLEANING

C/S recommends the use of a mild detergent solution for most soiling problems, which may require light scrubbing.

Difficult, ingrained stains can be removed using a proprietary cleaner and soft bristle brush or sponge. We recommend that the cleaner is tested on a small sample area before commencing.

# OUR SERVICE

## CUSTOMER SUPPORT

We look forward to assisting you with any queries you may have, and ensuring that you have made the right selection for your project.

Call us on +44 (0)1296 652800 to discuss your requirements with our Customer Service Team, Technical Team or Area Representatives.

## ACROVYN WALL PROTECTION

A complementary range of Acrovyn Wall Protection (profiles and sheet) is available to provide impact resistance to walls and corners.

For further information contact us on:  
+44 (0)1296 652800  
or visit [www.c-sgroup.co.uk](http://www.c-sgroup.co.uk)



## WARRANTY POLICY

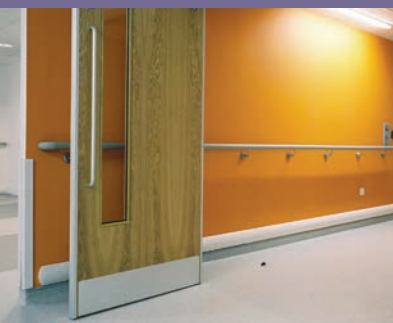
Construction Specialties (UK) Limited (the Company) warrants to its purchasers that their Acrovyn Doors sold will be free from any defects in materials or workmanship and will meet the design criteria noted in our brochures when properly installed and maintained. If, in the sole opinion of the Company, a product covered by this warranty is defective, the Company will replace or repair it free of any charge. This warranty shall extend for a period of two years following the date of shipment by the Company. This is in lieu of all other warranties expressed or implied, and is the sole warranty extended by the Company. The liability of the Company under this warranty is limited to repair or replacement, and does not include any responsibility for consequential or other damage of any nature.

### Disclaimer

The company reserves the right to make design changes for the purpose of product improvement, or to withdraw any design without notice.



## C/S PRODUCT RANGE



**C/S Acrovyn®** Wall, Door and Corner Protection



**C/S Wallglaze®** Specialist Coatings



**C/S Pedisystems®** Entrance Flooring Systems



**C/S Allway®** Expansion Joint Covers

**C/S Supertrak® Plus** Cubicle Curtain Track

**C/S Solarmotion®** and **Airfoil®** Solar Shading

**C/S Explovent®** Explosion Venting Systems

**C/S Louvres**



for more information visit our website [www.c-sgroup.co.uk](http://www.c-sgroup.co.uk)



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Aylesbury, Buckinghamshire HP18 0XB  
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Email: [info@c-sgroup.co.uk](mailto:info@c-sgroup.co.uk)



[www.c-sgroup.co.uk](http://www.c-sgroup.co.uk) <http://info.c-sgroup.co.uk>  
[www.c-sgroup.co.uk/facebook](http://www.c-sgroup.co.uk/facebook) [@csgronews](https://twitter.com/csgronews)



### C/S WORLDWIDE OPERATIONS:

- UK (also servicing: Republic of Ireland, Nordic Countries, Latvia, Estonia & Malta)
- France
- Germany
- Italy
- Spain
- Poland
- USA
- Canada
- Australia
- Singapore
- India
- Malaysia
- China
- Thailand
- U.A.E.