



The SDS guide to: High performance doorsets with impact protection



Protecting against life's little knocks

High performance doorsets with impact protection

dFend impact protection facings minimise and eliminate the problems and associated expenses of door and frame repair.

Doors and door frames are two of the most 'susceptible to damage' component parts of a building and will often require periodic maintenance or even replacement throughout the lifetime of the building.

The dFendor range of High Performance Doorsets have been developed to meet the hygiene, safety and operational requirements of various environments in particular healthcare, leisure, education, commercial, pharmaceutical, food processing.

The many solutions available include:

- fully postformed/encapsulated doors and frames,
- standard veneer, laminate and paintgrade door & frame finishes with full or partial height protection
- recessed to meet hygiene control regulations or face mounted

Impact protection finishes can be selected from a wide range of colours including back sprayed facings to comply with visual regulation.

A wide selection of vision panel sizes, bead details including flushglaze, glass types can be chosen to meet specific performance criteria.

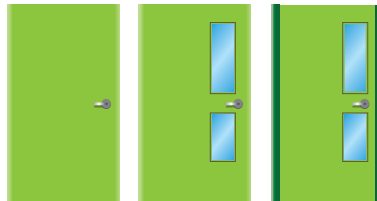
These options provide easy to clean, damage resistant doorsets with a distinct appearance and ergonomically friendly surfaces.

Doors Postformed Fully Clad Protection

We can supply doors in dFend impact protection facings.

Doors can be supplied with:

- wide range of vision panel sizes and bead details
(see vision panel options on page 5)
- contrasting leading edge protection
 - face mounted or recessed for infection control requirements
- kick plates & push plates
 - face mounted or recessed
- wide choice of finishes
(see cladding options see page 6)



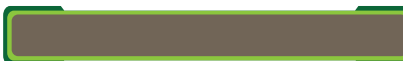
Fully clad door



Fully clad door
– contrasting leading edge protection – recessed



Fully clad door
– contrasting leading edge protection – face mounted



Fire ratings available: FD60  FD30 



Protecting against life's little knocks

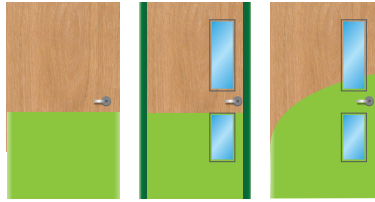
postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

Doors Veneered, Laminate & Paintgrade Door Protection

For new doors or retro-fitted

Doors can be part or fully clad for greater protection and can include:

- contrasting leading edge protection
 - face mounted or recessed (see page 8)
- angles, channels, kick & push plates
 - bespoke sizes
- Veneer, laminates, paint finishes (see options on page 7)



Fire ratings available: FD60  FD30 

Channels or Angles

- Large channels or angles to ensure door edges and faces are protected
- Available manufactured full or partial height to specifications
- Full height protection possible to both sides and edges of door
- Partial height protection can be applied to one or both sides of door



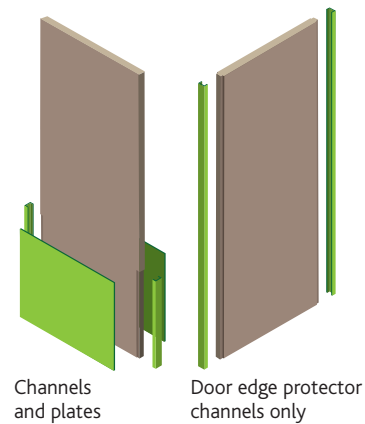
Channels

Angles

Door Edge Protector Channels and/or Plates

- Door edge protector channels are made from 1.5mm thick dFend sheeting and must be recessed into door edge(s)
- Rounded or square edge channels available
- Where plates are required for door face protection, we can supply either:
 - bevelled edge plates for overlapping the door edge protector channels on the door faces, *or*
 - square edge plates for butting to door edge protector channels on rebated door face
- Specific height plates and door edge protector channels can be manufactured to requirements

NB: We recommended that plates, where face mounted, are fitted between the door stops on the push side of door due to the thickness of dFend sheeting



Channels and plates

Door edge protector channels only

Kick Plates and Push Plates

- Made to customer specification from 1.5mm thick dFend sheeting
- Standard: – Square edged on all four sides
- Option: Bevelled edges
- Standard items are semi-circular, rectangular or curved designs.
- Custom shapes on request
- For healthcare facilities, HBN 00-04 requires kick plates to be minimum of 400mm high

NB: We recommended that plates, where face mounted, are fitted between the door stops on the push side of door due to the thickness of dFend sheeting



Semi-circular and rectangular

Curved



Protecting against life's little knocks

postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

Frame & Screen Protection

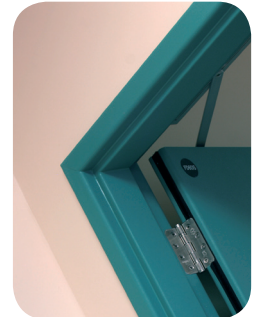
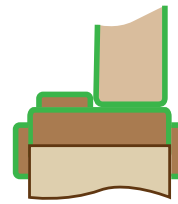
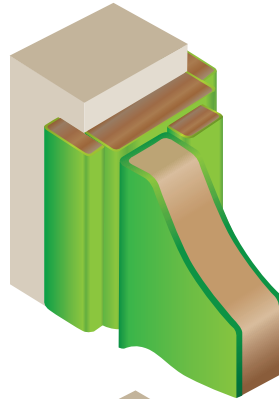
SDS Protection offer a range of standard frame protection options for non-rated, FD30 & FD60 type frames – no minimum/maximum wall thickness, stop lining, architrave and stop widths – the following diagrams illustrate the standard frame configurations available. Custom frames styles can also be provided.

Frames Postformed in dFend impact protection facings

Factory postformed frame protection

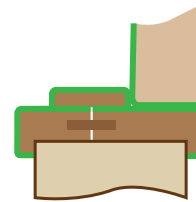
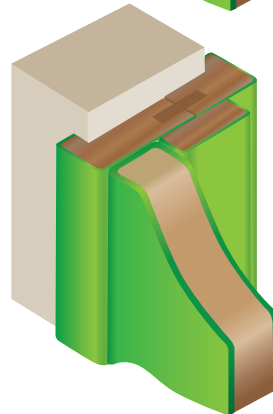
Traditional

This system comprises a standard lining postformed in dFend with separate stops and architraves. These are supplied with loose dFend postformed covers to conceal fixing points.



3-Piece (split)

Designed to assist in overcoming any structural opening depth variations, the lining is divided into two pieces, each with an integral architrave. (These postformed sections meet in the centre with a loose 'tongue'.) The doorstop is then fixed so as to hide the joint between the two pieces.



Protecting against life's little knocks

postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

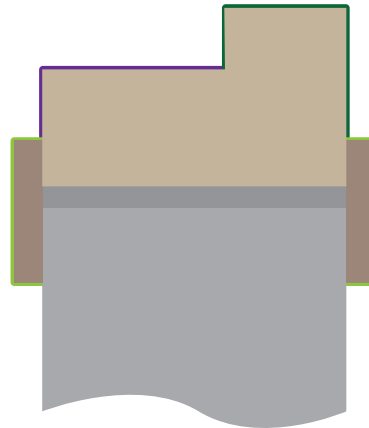
Frames Thermoformed angles and channels for lining, architraves and stops.

For new doors or retro-fitted

- Manufactured to customer specifications
- Full height or half height protection available
- Face mounted or recessed (see page 8)
- Options for frame materials and finishes (see options on page 8)

Angles or Channels

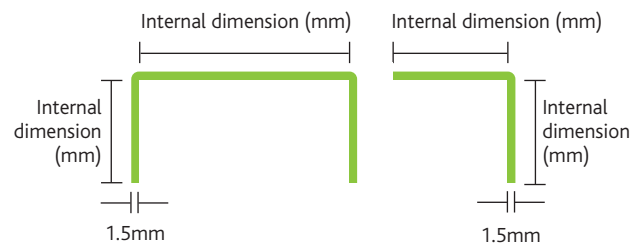
- Produced from 1.5mm dFend sheet to customer specifications
- A combination of dFend channel and angle pieces used to provide full frame protection
- Rounded or square edge channels available
- Full or partial height protection can be manufactured to specification.



Channel / Angle Dimensions

Please supply the internal dimensions of the frame protection required – shown right.

Please note the thickness of dFend sheet should be taken into account in your calculation of frame protection sizes.



Frames Materials and Finishes

Dependant on fire rating performance required a choice can be made from a wide selection of softwood, hardwood and MDF materials in a number of finishes:

- Primed
- Paint finish
- Laquered
- Left clean
- Veneer or laminate wrapped
- dFend impact protection

We can help you with final selection and sample as you require.



Protecting against life's little knocks

postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

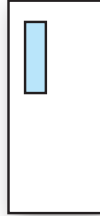
Vision Panel Protection

Vision Panel Options

Doors can be supplied with:

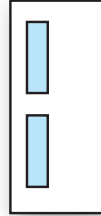
- a wide range of standard vision panel sizes
- bespoke sizes can be accommodated subject to approval.

VPA1



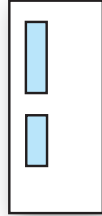
Aperture:
750 x 200

VPA2



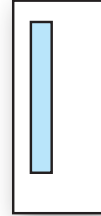
Apertures:
750 x 200
688 x 200

VPA3



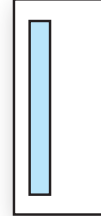
Apertures:
750 x 200
488 x 200

VPA4



Aperture:
1450 x 200

VPA5



Aperture:
1650 x 200

VPA6/7/8



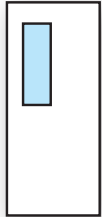
Aperture:
VPA6: 300 diameter
VPA7: 400 diameter
VPA8: 500 diameter

VPA9/10



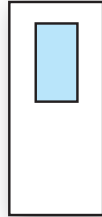
Aperture:
VPA9: 300 x 300
VPA10: 404 x 404

VPA11



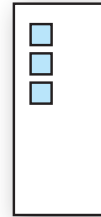
Aperture:
805 x 255

VPA12/13



Aperture:
VPA12: 750 x 400
VPA13: 750 x 500

VPA14



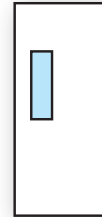
Apertures:
200 x 200

VPA15



Apertures:
200 x 200

VPA16

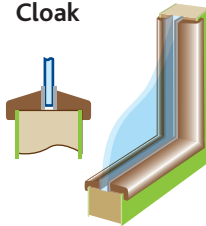


Aperture:
700 x 200

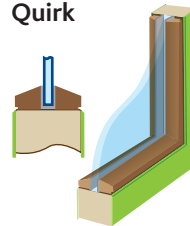
Vision Panel Beading Options

- Fully Clad, Plastic Bead Cover and Flush Glazed are advised as best for hygiene sensitive areas
- Plastic Bead Cover is advised as best for impact protection detail
- Plastic Bead Cover, Cloak and Quirk beading can be supplied as retro fit items.

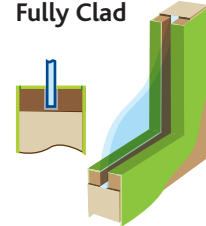
Cloak



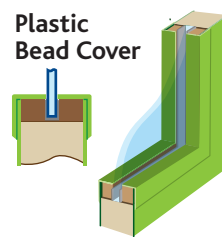
Quirk



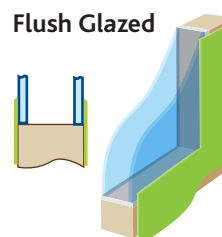
Fully Clad



Plastic Bead Cover



Flush Glazed



Protecting against life's little knocks

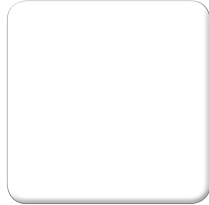
postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

Finishes



Finishes Door and Frame Cladding Options

PVC-free dFend durablend™ colour chart



snowflake



chalk



mushroom



buttermilk



lupin



denim



china



midnight



danube



peppermint



jade



aqua



gunpowder



cobble



flint



faux metal

Note: We are happy to colour match to any RAL or Pantone colour subject to minimum quantity/leadtime.



**Timber style
thermoplastic /
Veneers**



natural maple



honey maple



natural beech



cherry



dark cherry



black walnut



oak



Protecting against life's little knocks

postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

Finishes Doors: Veneer, Laminate and Painted

Veneer

Veneer Choice:

- Veneers may be chosen from any commercially available range.
- We can help you with final selection and samples as you require.

Veneer Techniques available:

- Book Matched
- Crown Cut
- Quarter Cut
- Rotary Cut
- Consecutively Laid (slip method)
- Centre Jointed
- Centre Featured

Veneer Finish and Protection:

- We recommend to enhance and protect veneered doors and doorsets that they are fully finished with either a standard or tinted lacquer
- Anti-microbial laquer is available where required.

Lipping details:

- Concealed or exposed lippings to both vertical edges with softened radius or to all 4 edges with top and bottom squared edged
- Colour matched or contrasting with veneer



Laminate

Laminate Choice:

- Laminates may be chosen from any commercially available range.
- We can help you with final selection and samples as you require.

Lipping details:

- Concealed or exposed lippings to both vertical edges with softened radius or to all 4 edges with top and bottom squared edged
- Colour matched or contrasting with laminate



Continued overleaf



Protecting against life's little knocks

postformed doors & frames | hand & crash rails | hygienic wall sheeting | corner & frame guards | kick & push plates
skirting covers | panels | custom formings

Finishes Doors: Veneer, Laminate and Painted

Painted

- Doorsets can be primed or finished with a factory applied pigmented polyurethane paint available in any colour within RAL or British Standard ranges.
- We can either provide samples to aid selection or we are happy for our customers to supply material for colour matching.



Recessed Door and Frame Protection

Advantages

- No extra tolerance required to allow for impact protection sheet thickness
- Preferred by healthcare institutions to meet infection control requirements including regulations such as Hai-Scribe.
- Improved aesthetics



Protecting against life's little knocks

postformed doors & frames | hand & crash rails
 hygienic wall sheeting | corner & frame guards | kick & push plates
 skirting covers | panels | custom formings

SDS Protection Limited
 Wyck Crossroads
 Binsted Road | ALTON
 HANTS | GU34 4NT
 T: 01420 543222
 F: 01420 543355
 sales@sdsprotection.co.uk
www.sdsprotection.co.uk