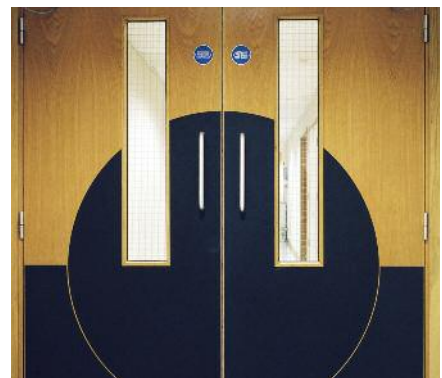


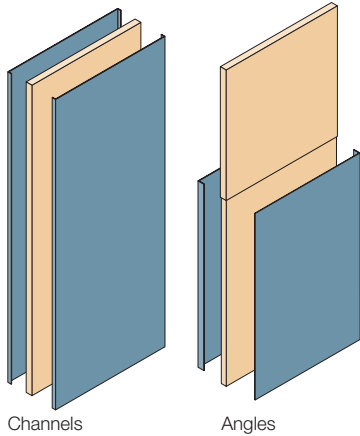
# ACROVYN® DOOR AND FRAME PROTECTION

**The challenge** - Doors and door frames are two of the most ‘vulnerable to damage’ building components and will often require periodic maintenance or even replacement throughout the life of the building.

**The solution** - By applying Acrovyn Sheet many problems and associated expenses of door repair can be minimised, or even eliminated. The many solutions include full or partial height protection using a combination of angles, channels and plates to meet project requirements. Acrovyn Sheet colour selection will also provide the opportunity to comply with Approved Document M for visual contrast.



## Door Protection



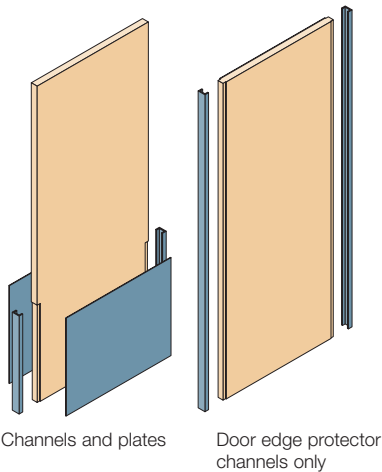
Channels

Angles

### Angles or Channels

Any size, any height

- Large size channels or angles to ensure door edges and faces are protected
- Can be manufactured full or partial height
- Full height protection to both sides and edges of door
- Partial height protection for one or both sides of door



Channels and plates

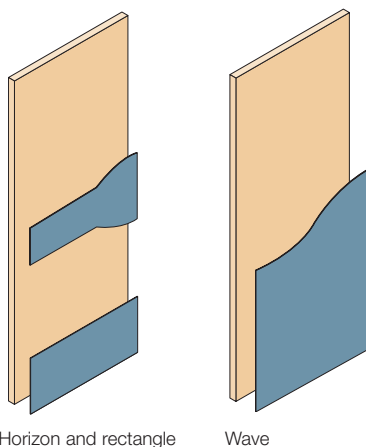
Door edge protector channels only

### Plates and/or Door Edge Protector Channels

Any size, any height

- Door edge protector channels are made from 2mm thick Acrovyn Sheet and must be recess mounted into door edge(s)
- Square or round edge channels can be supplied
- Where plates are required to protect door faces, we can supply either:  
2mm bevelled edge plates for overlapping the door edge protector channels on the door faces  
*or*  
2mm square edge plates for butting to door edge protector channels on rebated door face
- Door edge protector channels and plates can be manufactured to specific height requirements

**Note:** Due to thickness of sheet, it is recommended that plates are fitted between the door stops on the push side of the door.



Horizon and rectangle

Wave

### Kick Plates and Push Plates

Any size, any shape, any position

- Made to customer specification from 2mm thick Acrovyn Sheet
- Square edged on all four sides as standard
- Bevelled edges on request
- Standard items are rectangular, 'Horizon' or 'Wave'
- Custom shapes on request
- HBN 00-04 requires kick plates to be min 400mm high for healthcare facilities

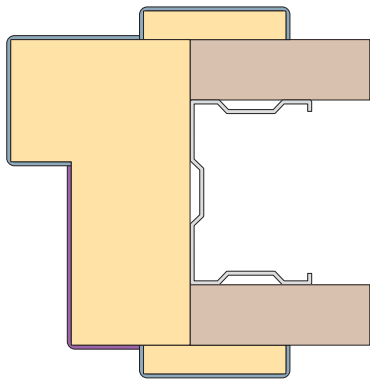
**Note:** Due to thickness of sheet, it is recommended that plates are fitted between the door stops on the push side of the door.

Please allow for 2mm thickness of Acrovyn Sheet when supplying internal dimensions for manufacturing.

# ACROVYN® DOOR AND FRAME PROTECTION

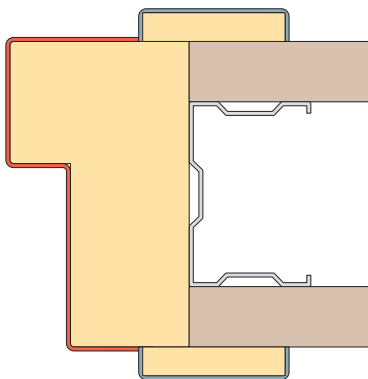
## Frame Protection

Acrovyn frame protection is built up from a series of channels and angles or thermoformed sections to fit specific frame size requirements. The following diagrams illustrate the build up for typical frame protection configurations. Different frame styles can be accommodated.



### Angles and Channels

- Made from 2mm thick Acrovyn Sheet to customer specified sizes
- The combination of Acrovyn channel and angle pieces provide full frame protection
- Full or partial height protection can be supplied
- Square or rounded edge channels can be supplied

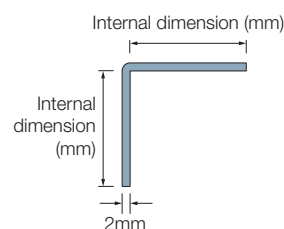
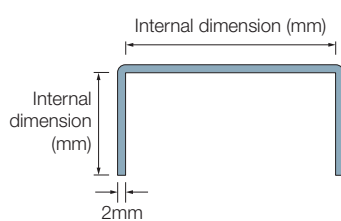


### Thermoformed Option

- A continuous profile fitted to the frame, which is made to customer supplied 'tool'
- Architrave channels are supplied separately
- Full or partial height protection can be supplied

## Channel and Angle Dimensions

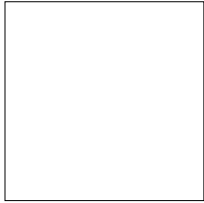
Please note the thickness of Acrovyn Sheet should be taken into account in your calculation of frame protection sizes. Please supply the internal dimensions of the frame protection required, as shown below.



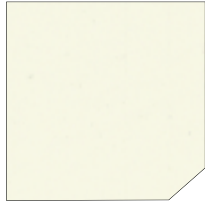
For further information on ordering angles, channels and thermoformed sections, please refer to technical page 16.

# COLOURS

## Solid Colours



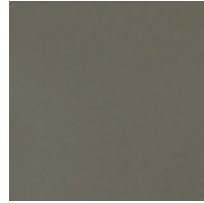
9003 Snow White



933 Mission White



100 Eggshell



26 Taupe



105 Mocha



193 Gingerspice



24 Dove



101 French Cream



14 Mimosa



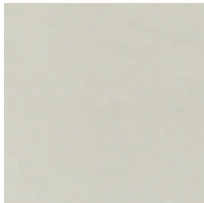
16 Harvest Gold



17 Sherbet



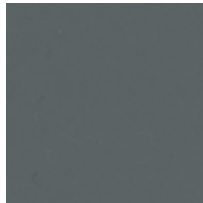
2012 Salmon



801 Grey Cloud



136 Pearl Grey



162 Charcoal



663 Violet



520 Imperial Purple



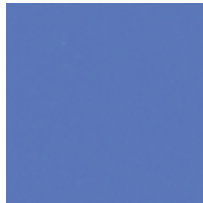
845 Spectrum Red



11 Alpine Blue



111 Wedgewood Blue



112 Pacific Blue



12 Cobalt



25 Storm



966 Burgundy



10 Mint Green



879 Dusty Jade



6033 Mint Turquoise



967 Hunter Green



129 Yale Blue



108 Black

## Faux Wood



372 Classic Maple



377 American Beech



373 Amber Cherry



375 Autumn Maple



381 Figured Anigre



410 Brushed Silver

## Faux Metal

Semi-standard colours denoted by missing corner 

Due to the limitations of the printing process, actual colours may vary from printed version. Samples of all colours are available upon request on +44 (0)1296 652800.

# TECHNICAL INFORMATION

## WORKING WITH ACROVYN® SHEET ON SITE

Acrovyn Sheet is easy to handle and prepare on site. Care and attention to the following guidelines will assist you in producing a first-class finish to your project.

### Handling and acclimatisation

- Store unused sheet flat
- Acclimatise sheet in installation environment (or similar temperature) for min. 24 hours prior to commencement of works

### Preparation of surfaces

- Surfaces should be clean, smooth, dry, free of dust, grease or other foreign matter
- Porous wall surfaces should be sealed using a suitable primer/sealer e.g. thinned adhesive solution

### Adhesives

- Test proposed adhesive with existing surface finish to ensure an optimum bond can be created. We recommend that the test area should be left for 24 hours
- C/S recommend the use of a contact adhesive such as Fastbond 10, Fastbond 30 and Grabfast\*, which can be ordered direct from our factory

### Cutting

- 2mm sheet can be cut with a fine toothed hacksaw, or scored several times with a craft knife against a straight edge then simply snapped away
- 0.71mm sheet can be cut with a sharp pair of scissors or a craft knife

### Jointing options

- **Vinyl welded joints** can be achieved for butt jointed Acrovyn sheet. An even gap of 2mm must be allowed between sheets to facilitate the weld
- **C/S Mastic**, colour matched to all Acrovyn colours, is available for fast and easy installation. An even gap must be allowed between sheets, to facilitate mastic application
- **Vertical joint trims** and **edge trims** are available. Please contact our Customer Service Team for details

### Thermoforming

- C/S Acrovyn Sheet can be thermoformed on site. For full instructions please contact us on +44 (0)1296 652800.

#### General installation notes – Dos and Don'ts

- Do maintain the same 'sheet orientation' throughout the complete application
- Do allow a movement gap between sheets and at edges for thermal movement at a rate of 0.07 mm/m for each °C rise or fall. A 2mm gap will normally suffice
- Do not thin the adhesive with water or solvent
- Do not use abrasive scourers, steel wool or other abrasive cleaning materials on Acrovyn Sheet

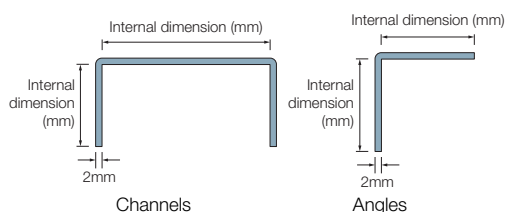
\*Fastbond is the registered Trade Mark of 3M™ and Grabfast is a trade name of Gemini Adhesives Ltd

## HOW TO ORDER FORMED ACROVYN® SHEET

C/S can thermoform 2mm thick Acrovyn Sheet either by line bending or forming around tools supplied within the following parameters.

### Line Bending

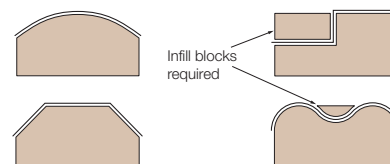
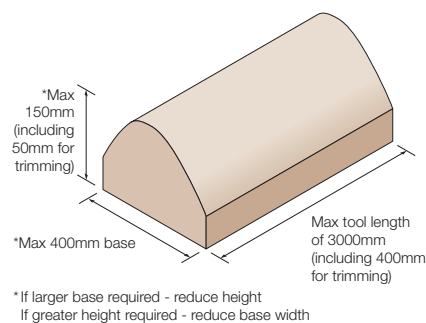
- Suitable for basic channels and angles
- No tool required
- Finished bend achieved is pencil round on outside bends
- Please supply internal dimensions, allowing for 2mm Acrovyn Sheet thickness for your external required dimension



### Thermoforming

- A suitable tool is required in blemish free MDF or hardwood material
- Tools should be supplied to internal dimensions of required finished product but oversized to allow an extra 50mm per edge and ideally 400mm in length for trimming (minimum 200mm)

Please contact the Customer Service Team on +44 (0)1296 652800 for comprehensive Data Sheets.



Typical shapes which can be achieved using thermoforming