

DOOR FRAME & ARCHITRAVE PROTECTORS FIXING INSTRUCTIONS



Yeoman Shield products should be installed in accordance with the following manufacturers recommended instructions.



N.B. Details on Expansion and Contraction, Glazed Areas, Cleaning, etc., are shown on the reverse of this document.

Manufactured or Extruded in either 'kit' form, for Split Frames, or as a formed single piece, for Post-Formed Single Frames, to replace existing, damaged door frames or in certain cases to fit over existing timbers.

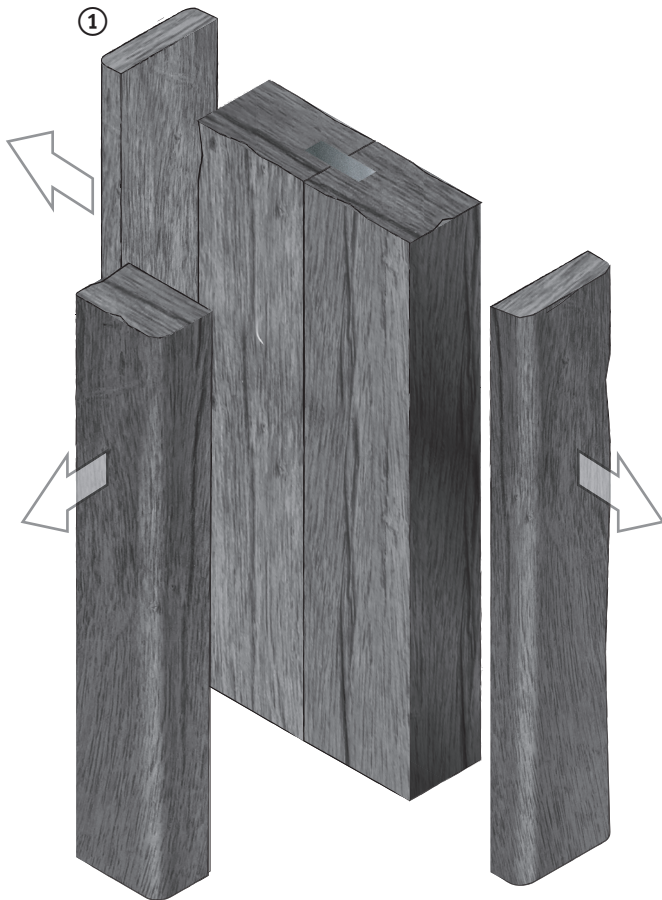
Existing frames and architraves should be adjusted as necessary, repairing or replacing all damaged sections. ① Solid grounds are required to support this product and to give additional strength from any impact damage, covering over gaps, holes, damage with the PVCu materials without carrying out the necessary repairs will only lead to future problems.

If fitting new MDF/Timber inserts, cut to size, including mitres where the jamb and head of the door meet, and secure into place against the existing door frame. – Stop Lath inserts should be Softwood for FD30 doors and Hardwood for FD60 doors, whilst inserts for Architraves can be made in MDF.

Cut the PVCu sections to the appropriate lengths, again including any necessary mitres, and fit as follows using **Yeoman Shield 2000** Polymer adhesive:

Full height, full door frame protection for Split Frame.

- 1) Secure the timber Stop Lath into position using the appropriate fixings, allowing for the thickness of the PVCu material so that it does not interfere with the opening and closing of the door.
- 2) The 2 No. External Angles are then bonded to the door frame up to each side of the Stop Lath, and leaving 1 No. leg slightly longer so that it fits behind the Architrave.*



- 3) Fix the Stop Lath PVCu cover to the timber section, butting up to the external angles.
- 4) Architraves are then fixed into position with the MDF/Timber section being secured to the door frame of wall substrate with the appropriate fixings. – These have a 'groove'* on the reverse of one side so that they can sit over the external angle, allowing them to be positioned so that a neat finish is achieved at the joints between the architrave and frame/wall. ②
- 5) Once the MDF/Timber grounds of the Architraves are in position then the PVCu covers can be bonded into position. ③

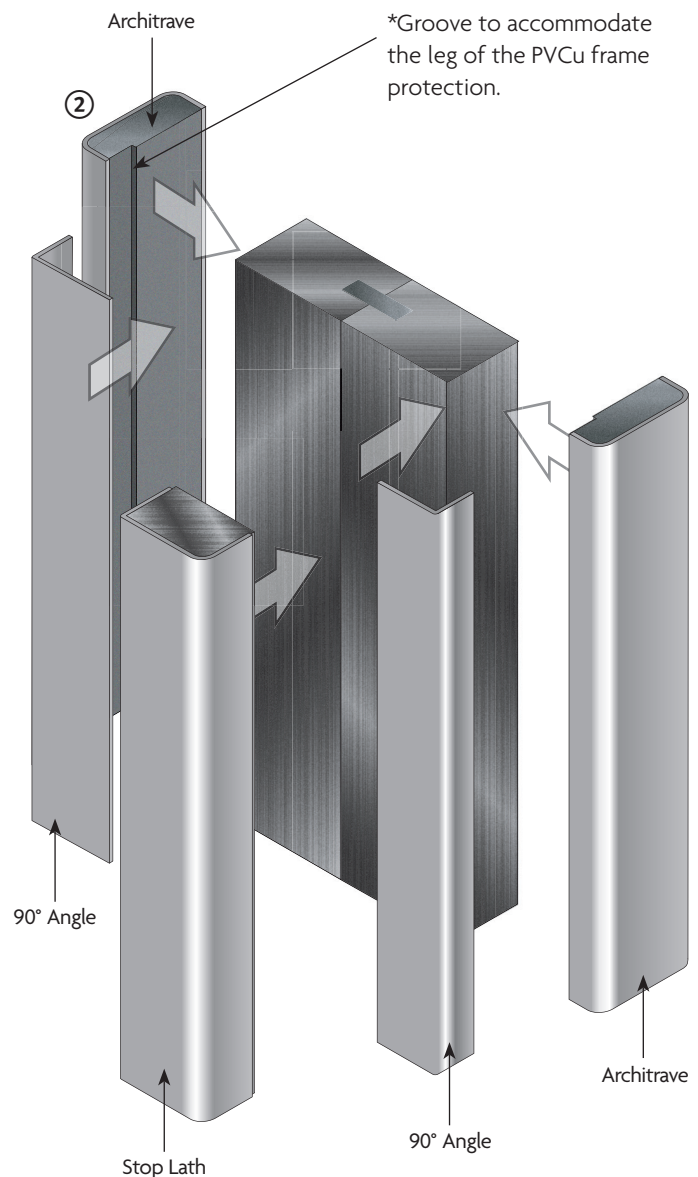
Part height, part door frame protection for Split Frame.

- 1) Adjust the existing Stop Lath into a new position using the appropriate fixings, allowing for the thickness of the PVCu material so that it does not interfere with the opening and closing of the door.

Or

Cut through the existing Stop Lath at the height of the frame protection and insert a new piece of timber complete with the PVCu material 'let in' on the door meeting side, so that it finishes in line with the existing Stop Lath and therefore does not interfere with the opening and closing of the door.

- 2) The External Angle(s) are then bonded to the door frame up to each side of the Stop Lath and the existing Architrave(s).*



3) Architrave(s) PVCu covers are then bonded into position over the existing Architrave(s) so that a neat finish is achieved at the joints between the architrave and frame/wall.

N.B. External Angle(s) required to the lock/hinge part of the door frame may require 'fitting' to ensure that they do not interfere with the opening and closing of the door.

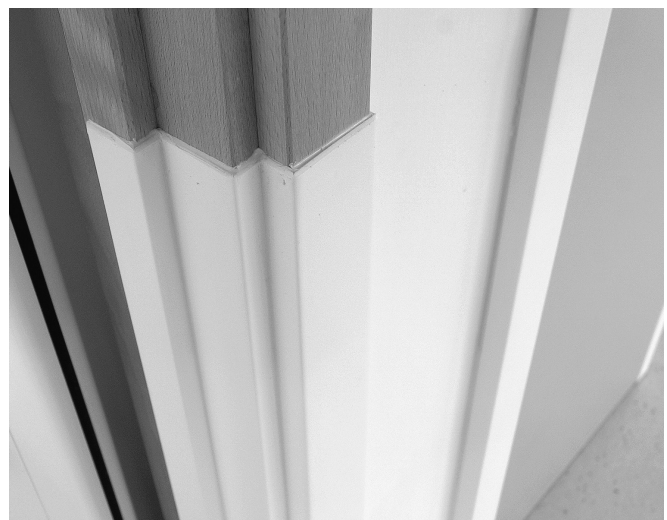
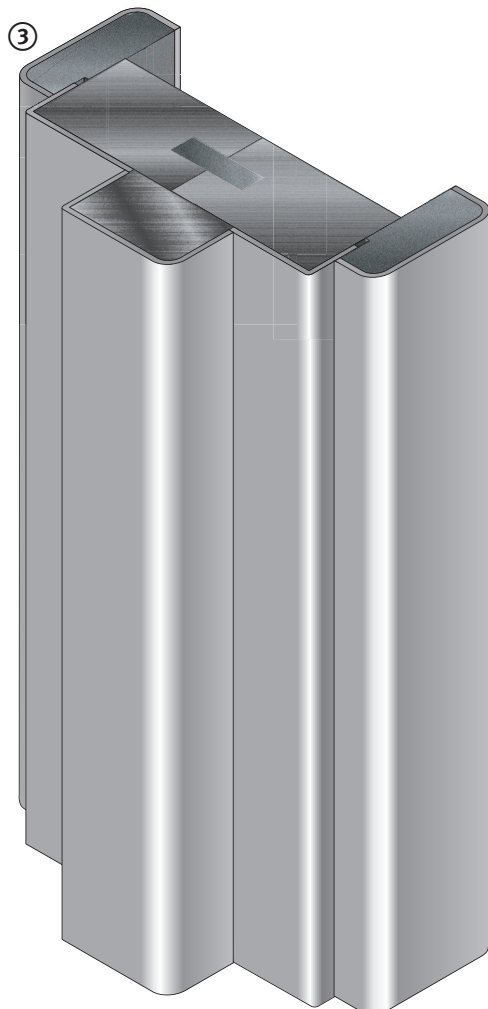
If **Yeoman Shield** Door Edge Protectors are being fitted at the same time then this can be achieved by reducing the overall width of the door to accommodate the PVCu material, and nothing needs to be done to the door frame.

In such cases where only Frame Protection is to be fitted, either full or part height, then the External Angle(s) should be 'let in' to the door frame, this can be achieved by routing out the frame to the depth of the material plus adhesive.

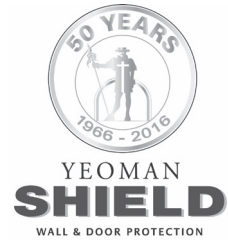
When this work is completed please ensure that any gaps between the door(s) and frame are not greater than the 3mm that is permissible.

Materials manufactured to suit Post Formed Single Piece Frames, which are usually factory fitted prior to being constructed and delivered to site for installation, should have the PVCu material bonded to the timber section using either **Yeoman Shield 2000** Polymer adhesive or an appropriate adhesive preferred by the door manufacturer.

PVCu materials are subject to expansion and contraction due to temperature changes and our materials should be allowed to acclimatise to the environment into which they are being installed before fitting. Please see over for further information.



GENERAL INFORMATION



Yeoman Shield products are manufactured using Vinylac, a specially formulated PVCu material that is resistant to impact and abrasion, which is exclusive to Harrison Thompson & Co. Ltd.

Fire Test Information PVCu Protection Products

Fire tested in accordance with and achieved the following:

BS 476: Part 7: 1997 - The Surface Spread of Flame of Products - **Class 1Y (Class 1 is the best classification in this test)**.

BS 476: Part 6: 1989 + A1: 2009 - Fire Propagation for Products - **Class O** - As defined in the latest Building Regulations, Approved Document B (Fire Safety).

BS EN 13823: 2010 + A1: 2014.

BS EN ISO 11925 - 2: 2010.

EN 13501 - 1: 2007 + A1: 2009.

Door Edge Protectors - Patented Product

Fire tested in accordance with and achieved the following:

BS 476: Part 22: 1987 - For ½ hour or 1 hour fire integrity on full door assemblies.

BS 476: Part 31.1: 1983 - To meet requirements of **BS 5588**.

PVCu Clad Glazing Bead

Fire tested in accordance with and achieved the following:

BS EN 1634 - 1: 2008 - For ½ hour or 1 hour fire doors.

BS 476: Part 22: 1987 - For ½ hour or 1 hour fire integrity on full door assemblies.

All testing has been carried out at Exova Warrington or Exova Chiltern Test Houses and the full fire test reports are available on request.

Surfaces & Cleaning

Yeoman Shield products are inherently hygienic if they are properly cleaned and maintained on a regular basis.

Our PVCu materials are 'rigid' and they do not support the growth of bacteria or mould. When cleaning, we recommend using a solvent cleaner or products such as Dettol, Johnsons Clear, etc.

Stubborn marks may need an industrial strength solvent cleaner to remove them, such as TRADESOLVE 1 (UN 1294). **N.B.** This type of cleaner should be used strictly in accordance with the manufacturers recommendations.

Smooth surfaces are more likely to show all marks, scuffs and scratches. The textured surfaces of **Yeoman Shield** products helps to hide the everyday knocks, bumps, scrapes and marks caused by vehicular traffic.

Maintenance

None required other than normal cleaning in accordance with details shown above.

Chemical Resistance

Vinylac is unaffected by commercial solvents and cleaners.

DDA (Disability Discrimination Act)

Yeoman Shield products do not contravene the **DDA** requirements, and meet the principals of **HTM69**. (Further details available if required).

Installation

Manufacturers recommended fixing instructions are shown overleaf. However, if additional information or clarification of any points is required then please contact our Sales Office **0113 279 5854**.

We are **CHAS (Contractor, Health & Safety Assessment Scheme)**, accredited contractors.

All our operatives hold relevant **CSCS** cards with Site Foremen having the **SSSTS** Certificates.

Expansion & Contraction

Yeoman Shield products will expand and contract according to temperature fluctuations:

Generally, PVCu materials expand or contract 0.07mm/m for every 1°Celsius rise or fall.

Please ensure that our materials are acclimatised to the environment into which they are being installed, they should be stored at normal working temperature for at least **24 hours** prior to fitting. We recommend the optimum temperature being **23°**, which is in line with the temperature during manufacture and this should limit the amount of expansion and contraction.

It is not advisable to take materials that have been stored in a cold environment, i.e. an unheated site, cold storage container/van, etc. and install these without allowing them to acclimatise, **as this may lead to unnecessary movement of material in the future.**

N.B. Greater movement may occur in glazed corridors. In extreme cases of temperature variation it may be necessary to use an alternative fixing method, please speak to our Sales Office for advice.

Colour Fastness

All Vinylac products are UV stabilised, therefore reducing the fading effect when exposed to direct sunlight. It should be recognised, however, that excessive expansion will occur in these conditions.

Further information regarding this and other colour issues can be found in our brochure or colour card, both of which are available from our Sales Office, or on our website.

Impact/Abrasion

Vinylac results: Abrasion **BS2782; Part 3:1990**
Scratch ASTM D3363 - 74.

Bonding

Although **Yeoman Shield** supplied adhesives will perform in difficult environmental conditions they will activate more readily if applied at normal room temperature.

The bond strength will then continue to increase after the initial application.

Warranty

Yeoman Shield products are guaranteed free from defects. If they are installed correctly and in accordance with the manufacturers recommendations, they will protect surfaces from damage for many years.

Environmental

Yeoman Shield operates an Environmental policy and ensures the recycling of all materials and packaging wherever possible, a copy of our policy can be requested from our Sales Office.

All our materials/products are sourced and manufactured in the United Kingdom and can therefore contribute to achieving the requirement of the **BREEAM 2011 Technical Construction Manual** for building sustainability and life cycle, **as well as reducing our carbon footprint.**

Health & Safety

Full **COSHH (Control of Substances Hazardous to Health)** details on all **Yeoman Shield** products are available from our Sales Office.

In accordance with **REACH** Regulations, our products do not contain any chemicals that are on the **SVHC (Substances of Very High Concern)** list dated June 2012.

Technical Support & Advice

Data sheets on the various **Yeoman Shield** materials are available from our Sales Office.

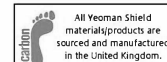
Timber Products

All wood incorporated in **Yeoman Shield** products is purchased from an **FSC supplier**.

MAKING BUSINESS A PLEASURE

Harrison Thompson & Co Ltd. Yeoman House, Whitehall Estate, Whitehall Road, Leeds, LS12 5JB.

Tel: 0113 279 5854 Fax: 0113 231 0406 Email: info@yeomanshield.com Website: www.yeomanshield.com



Registered Office as above. Registered in England No. 2669275 VAT Reg No. GB 169 3105 61

Directors: S.L.Russell, G.C.Brumwell, P.Christopher, A.C.Brumwell, R.Good. FI Mar 17