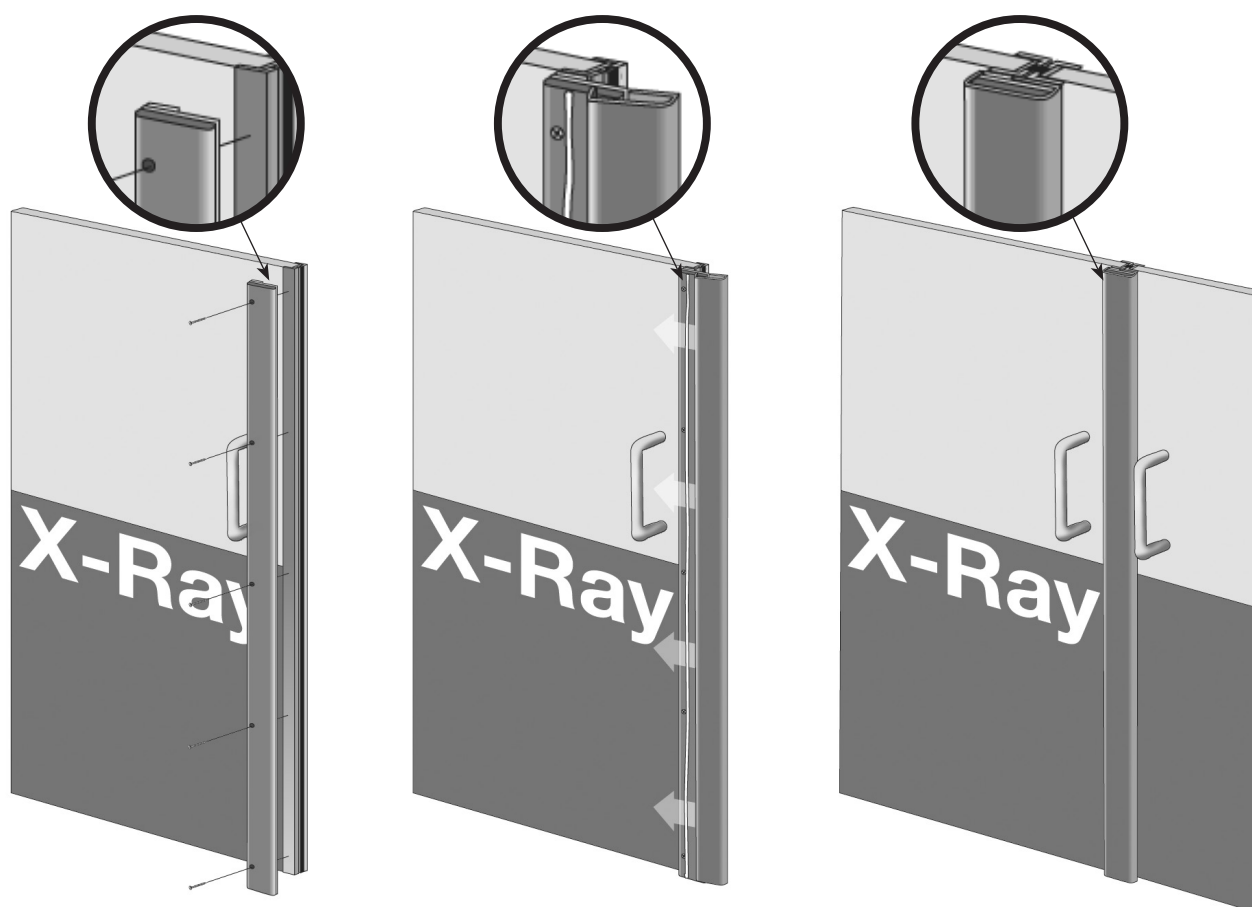


DOOR CLIPPING LATH FIXING INSTRUCTIONS



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.

This product has been designed to be installed in conjunction with the **Yeoman Shield** Door Edge Protectors complete with Lead inserts, usually to Lead Lined doors in X-Ray rooms, to ensure that there is no leakage of radiation or laser beams through the gap between the meeting point of the two doors once the door edge protectors have been fitted.

Prior to the fitting of this product the **Yeoman Shield** Door Edge Protectors, as shown in **illustration ①**, should be installed strictly in accordance with the manufacturers recommendations, details can be obtain from our Sales Office or Website.

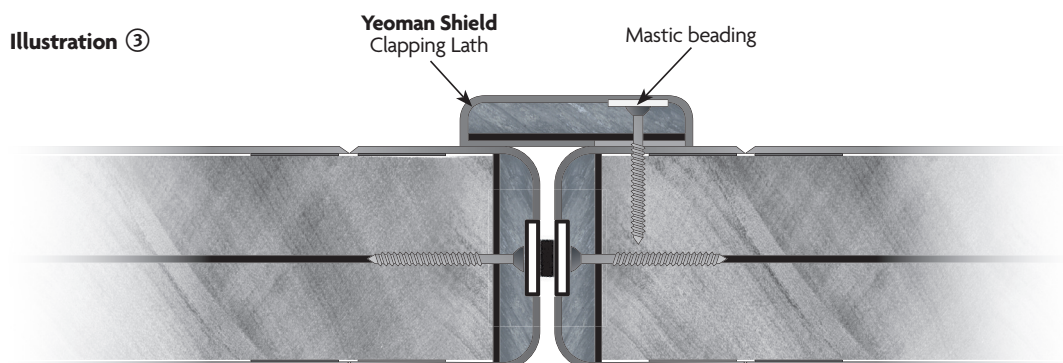
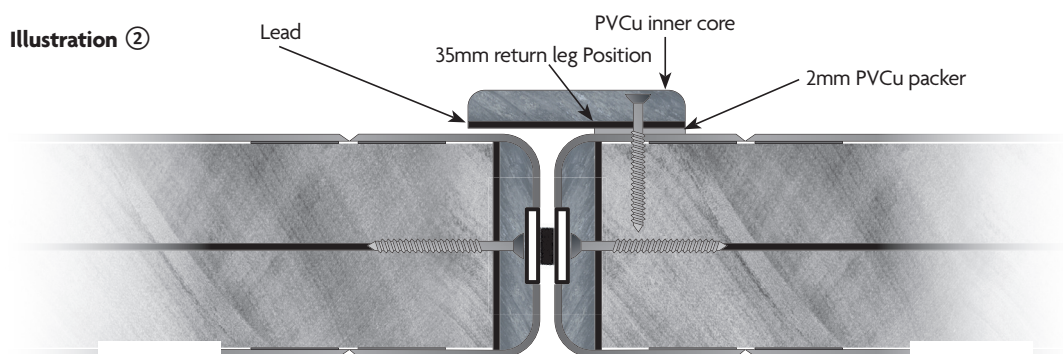
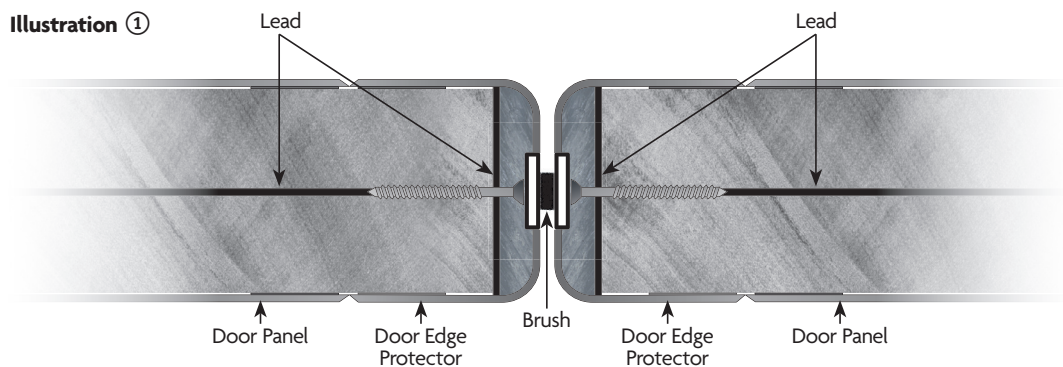
The Clapping Lath is to be secured to the appropriate door leaf, whichever direction the door opens.

Position the inner core of the Clapping Lath, which comes complete with a lead lining, usually Code 7 lead unless otherwise requested, and a 2mm PVCu packer, as shown in **illustration ②**.

This should be marked and drilled for fixing to the door core at maximum 300mm centres, taking account of any particular ironmongery on the door. When positioning the Clapping Lath in order to determine the fixing points the return leg of the outer PVCu cover, which is approximately 35mm, must be hidden behind the edge of the door edge protector once it is clipped into position.

Once the inner core has been drilled and countersunk, secure this to the door core using appropriate fixings: Ensure that the screws are fixed to the door core, through the door edge protector, away from the edge where the door core meets the PVCu inner of the door edge protector.

When the inner core is secured to the door core apply a thin bead of **Yeoman Shield 2000** Polymer adhesive along the length, position the outer PVCu cover over the leading edge and snap it into position, as shown in **illustration ③**, ensuring that it finishes flush with the top and bottom of the inner core, so that there is no interference with the opening/closing action of the doors.



If the hinged edges of such doors are also to receive the **Yeoman Shield** Door Edge Protectors complete with Lead inserts, once again you must ensure that there is no leakage of radiation or laser beams through any gaps between the door frame and the door edge protectors.

Illustrations ④ and **⑤** show the options when fitting up to a Single Piece door frame or a Split door frame, both ensuring that the Lead in the frames and door edge protectors overlap to prevent any leakage.

Plant On Stop Laths complete with the Lead Insert can then be covered with a 2mm PVCu cover to give protection against impact damage.

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.

Illustration ④

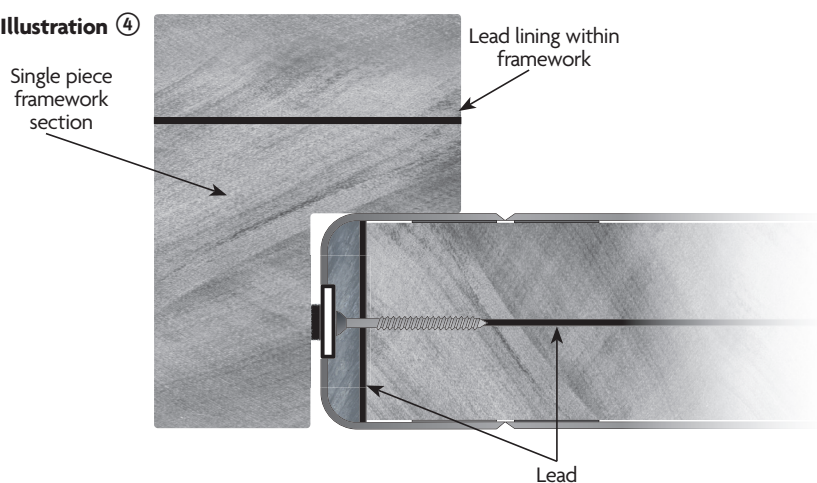
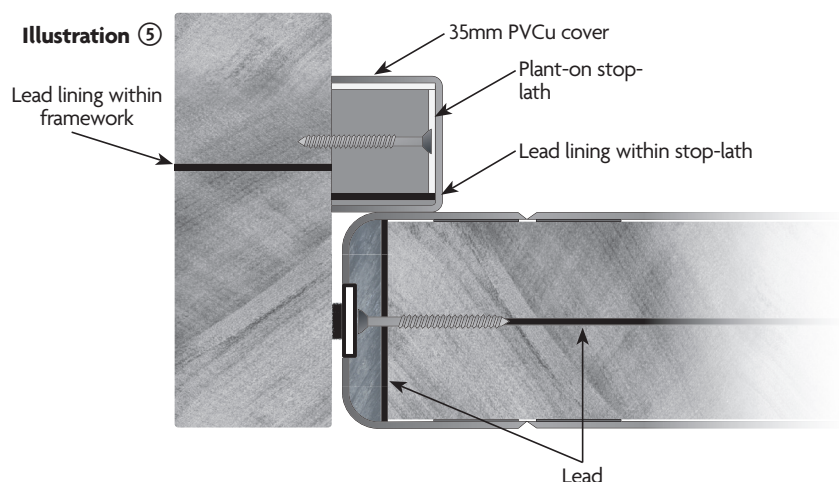


Illustration ⑤



Once the work has been completed to such doors, we understand that a safety check should be carried out of the area in question by an authorised body to ensure that there is no leakage of radiation or laser beams. This will need to be organised by the Main Contractor or Health Trust.

This product can also be fitted to doors that are not leading to X-Ray or Laser rooms, which we call our 'Privacy' Clapping Lath as shown in **illustrations ⑥** and **⑦**, and is fitted in a similar method. This does not require any lead, and can be used with standard door edge protectors.

Illustration ⑥

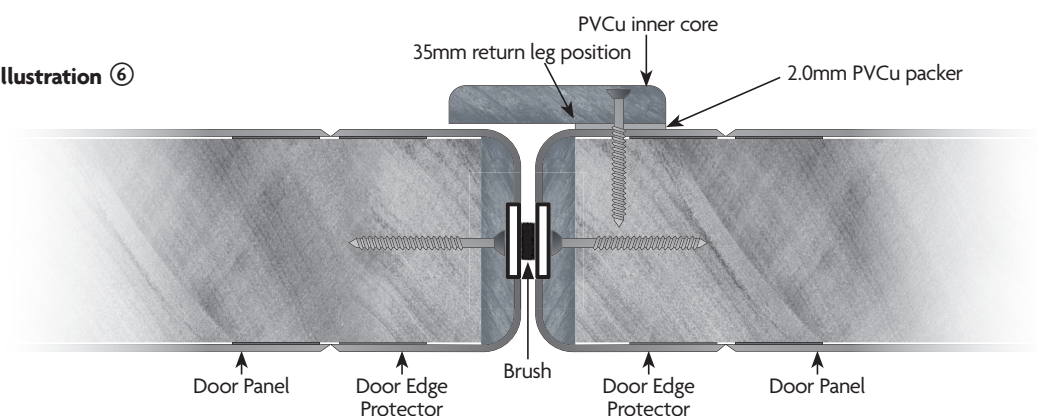
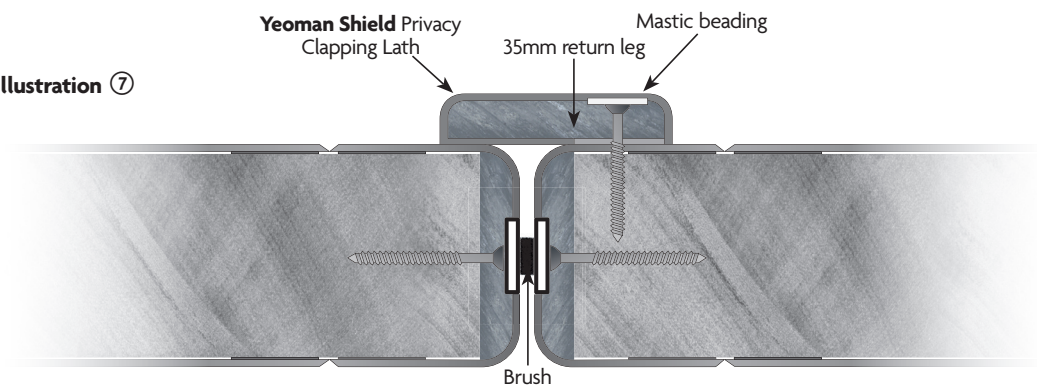
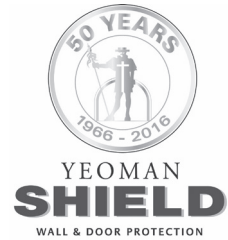


Illustration ⑦



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.

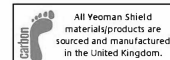
Timber Products

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

MAKING BUSINESS A PLEASURE

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



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