



## FIRE RATED DOOR PROTECTION



# Welcome to the **Yeoman Shield** Door

The contents of this brochure give an in-depth appreciation of Yeoman Shield Fire Rated Door Protection products, their properties, benefits, and applications.

Yeoman Shield have invested heavily over the years in their door protection range, realising early on, the scope and possibility these products would have in preserving and extending the lifecycle of interior doors in buildings such as Schools, Hospitals, Care Homes, Leisure and Retail facilities.

## Expertly Developed Range

Experience in the construction and fit-out market has led the technical team at Yeoman Shield to develop a highly functional system for protecting doors.

The system comprises Door Protection Panels, Door Edge Protectors, PVCu Clad Glazing Bead along with Architrave and Frame Protection products.





# Protection Product Brochure

## An Asset for Fire Door Maintenance

Importantly, Yeoman Shield Door Protection Products are fire rated and have been tested to the current standards, (full information on page 17) by a UKAS accredited testing house.

This enables these products to be installed on fire rated doors without the loss of the fire door's integrity, providing the perfect armour to protect from impact.

Damage caused by the everyday use of doors can be detrimental to the condition and the correct functioning of a fire door, leading to non-compliance, expensive repair, or replacement of doors.

Yeoman Shield door protection systems reduce the amount of maintenance required and can form part of accepted repair techniques which in some circumstances can negate the need for door replacement.



## Advice at Hand

We hope to have covered all aspects of our Yeoman Shield Fire Rated Door Protection Products in this brochure, but as always, we have a dedicated team on hand to respond to any queries or questions you may have.

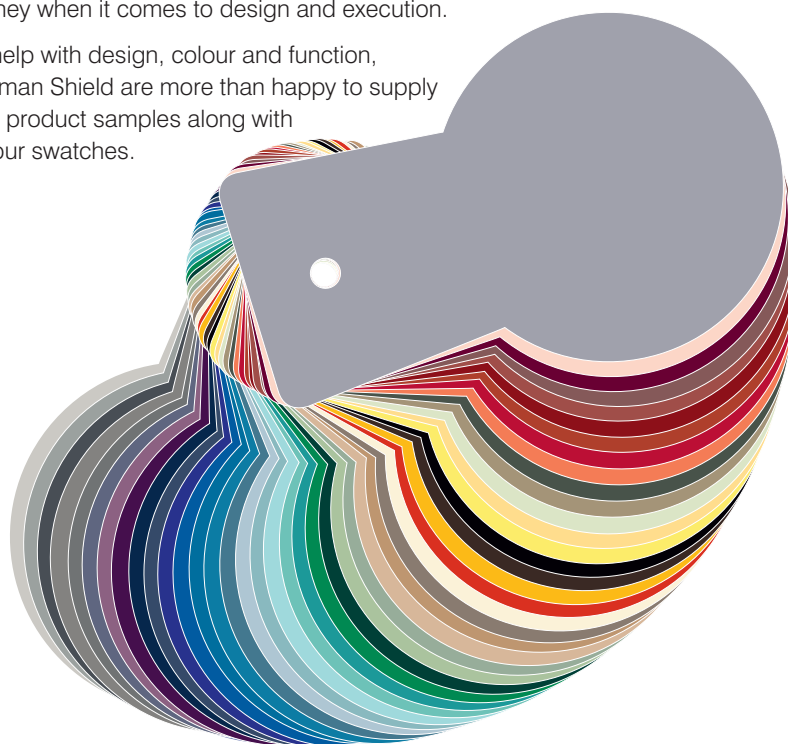
# Yeoman Shield Customer Services

Yeoman Shield can help clients with all aspects of their door protection requirements. From samples to surveys, our services ensure the right product for the application is either supplied or supplied and installed.

## Free Product and Colour Samples

For clients getting things right from the concept of a project saves time and money when it comes to design and execution.

To help with design, colour and function, Yeoman Shield are more than happy to supply free product samples along with colour swatches.



## Site Surveys

Our free site surveys for doors are provided for supply only projects. Please see page 7 for information on fire door inspection/assessment survey fees.

A site survey not only quantifies requirements but identifies Yeoman Shield protection products that are fit for purpose in the chosen application. This makes sure the best functionality and product lifecycles are met.

**Yeoman Shield Fire Door Survey Sheet**

Contract Ref: \_\_\_\_\_ Location of Works: \_\_\_\_\_ Surveyed By: \_\_\_\_\_ Date: \_\_\_\_\_

Does the client want one of the following Conformity Certificates: ☐ Supply Only ☐ Supply & Fix ☐ Both

Door Reference: \_\_\_\_\_

Door Protection Information:

Door Thickness: (Dim A)	Door Height:
Leaf 1	Leaf 2
Finish:	Hess/Smooth
Fairmouth	
Is the Door set an X-ray doorset?	
Do you require a Clapping Lath?	

Compliance per door set:

**Yeoman Shield Product Information:**

Door style:	Single Swing	Double Swing
Door Config:	Single	1 1/2 Leaf
Fire Rating:	NFR	30FR
Door Edge Protection:	Clash Edge	Hinge Edge
		Double
		60FR
		Both Edges

**YEOMAN SHIELD**  
FIRE & SOUND PROTECTION





### Large Stock of Materials

- UK manufactured.
- Quick delivery of materials.
- Capable of meeting "just in time" requirements.

### Installation Service

Yeoman Shield has a fully accredited team of fixing operatives who all carry CSCS cards and Site Foremen have SSSTS certificates. All our operatives that install fire door protection are FIRAS certified giving assurance and traceability for the workmanship carried out.

### Site work is supported with:

- Issue of site specific RAMS.
- O & M manual provision.
- Assessment reports
- COSHH & Data sheets.

### In-house Bespoke Manufacturing Facilities

Our experience and in-house engineering capabilities give the advantage of being able to manufacture bespoke products to suit our client's needs.



Yeoman Shield prioritises health & safety and environmental concerns for both our employees and clients alike.

A dedicated Operations and Health & Safety team guides the company through the processes and are on hand to answer any concerns.

Our raft of accreditations and certification builds a trustworthy reputation, showcasing Yeoman Shield's expertise and knowledge.

**Quality: ISO9001**

**Health & Safety with financial and operational stability: CHAS, Constructionline, Alcumus Safe Contractor.**

**Fire Door Inspection & Installation: FIRAS , FDIS, City & Guilds**

**Site Management & Installation Teams: CSCS, SSSTS, SMSTS, IOSH, UKATA.**

**Environmental: ISO14001**

# Introducing **Yeoman Shield** Fire Door

## Well-Maintained Fire Doors Save Lives

Fully operational fire doors are key for successful fire compartmentation, containing an outbreak of fire within areas of the building and slowing the spread of fire and smoke to ensure escape routes remain safe for as long as possible.

The BS 8214: 2016 Timber-based fire door assemblies – Code of Practice highlights that it is important for inspection, maintenance, and repair of any damage to fire doors to be undertaken regularly if the required fire resistance of the fire doors in a building is to be maintained.

The code also states that a competent person should undertake inspection and maintenance.

## Are you the Responsible Person?

It is the Responsible Person's duty (i.e., Owner, User, Manager of a building, etc.) to ensure that a documented inspection and repair regime is in place.

Yeoman Shield Fire Door Services can offer a competent and certified service to help achieve these objectives with their Fire Door inspection, maintenance, and installation services.

## Fire Door Inspections

Yeoman Shield can provide a fire door inspection service using qualified inspectors to identify any issues that could cause the failure of a fire door whilst determining any work required to bring fire rated door sets back to conformity.

## What is the Process of an Inspection?

Prior to a fire door survey being undertaken, we will ask the Responsible Person to provide the following information:

- Detailed identification of fire rated door sets.
- What the period of fire resistance should be for each.
- A drawing indicating the location of each doorset requiring inspection.

When carrying out our survey each fire rated door set undergoes a rigorous inspection to determine any issues with the results recorded in a report which is presented to the client.

If a door fails to pass the inspection, remedial actions will be recommended.

If requested, a fully costed proposal of rectification of defects will be provided.





# Services



## Did You Know it is not Always Necessary to Replace a Faulty Fire Door?

Using approved repair and maintenance techniques carried out by Yeoman Shield accredited maintenance team can result in doors - in certain circumstances - being brought back to an acceptable condition.

This process could include the addition of Yeoman Shield Fire Rated Door protection products as the best solution to rectify an issue or be of benefit to prolong the lifecycle of the doors.

For example:

- Reducing gaps with the installation of Yeoman Shield Door Edge Protectors – protecting from future damage also.
- Replacing damaged glazing beads with Yeoman Shield PVCu clad Glazing Bead Units – adding durability.
- Using Yeoman Shield Door Protection Panels to prevent slight damage to the leaves of doors from becoming any worse.

## Why Choose Yeoman Shield to Carry out Inspection and Maintenance?

If you choose Yeoman Shield Fire Door Services for inspection, maintenance, and installation work you will receive a FIRAS certificate of conformity for the work undertaken.

Inspections will be undertaken by a member of the Yeoman Shield team who has successfully taken an FDIS fire door inspection course ensuring the correct level of knowledge and competency when inspections are carried out.

Yeoman Shield's fixing operatives are accredited, and clients can be assured that the work will be carried out in accordance with FIRAS certification and best practice.

Regular auditing by the FIRAS scheme ensures that the Yeoman Shield Fire Door services Team maintains the correct level of knowledge and competency.



**Remember – Yeoman Shield Door Protection Products are Fire Rated and therefore will not affect a Fire Door's integrity once installed.**

If you wish to discuss a Fire Door Inspection/ Assessment at your site please email [firedoors@yeomanshield.com](mailto:firedoors@yeomanshield.com) or call 0113 279 5854.

# Door Protection Panels & Plates

Yeoman Shield fire rated door protection panels prevent vulnerable door leaves from impact damage caused by everyday use. Fire rated, the panels come in a choice of colours and can be cut to size before delivery if required.

## Composition:

Extruded PVCu panels.  
An inherently hygienic  
and easy to clean  
material.

## Dimensions:

2500 x 1250 x 2.0 mm  
standard.  
Cut to size on request.

## Colours & Finishes:



Scan QR code  
Or request a colour card.

## Specify This Product:

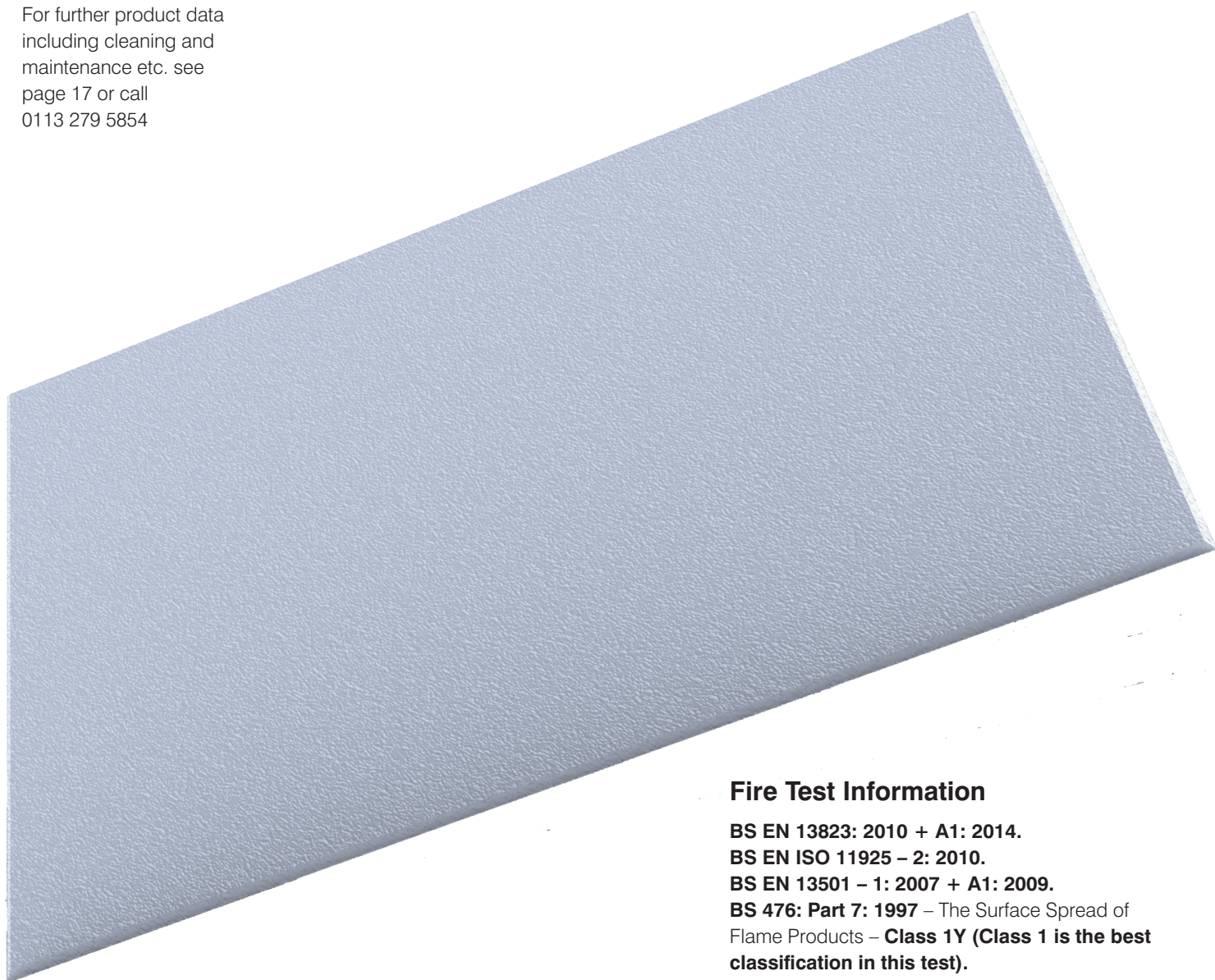


Scan QR code  
[yeomanshield.com/yeoman-shield-specificationhub](http://yeomanshield.com/yeoman-shield-specificationhub)  
or via NBS source.

## Impact / Abrasion:

**BS 2782: part 3: 1990**  
Scratch ASTM D3363-74

For further product data  
including cleaning and  
maintenance etc. see  
page 17 or call  
0113 279 5854



Falmouth finish

## Fire Test Information

**BS EN 13823: 2010 + A1: 2014.**

**BS EN ISO 11925 – 2: 2010.**

**BS EN 13501 – 1: 2007 + A1: 2009.**

**BS 476: Part 7: 1997** – The Surface Spread of  
Flame 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).



**Application:** Public Buildings, Student Accommodation, Schools, Hospitals, Care Homes & Leisure Venues.



**Installation:**



Use the QR code to access our 'how to' video or visit our website.

**Installation Service available carried out by FIRAS accredited fixing operatives.**

**Why use Yeoman Shield Door Protection Panels:**

- Retains the integrity of Fire Doors when fitted.
- Protects from unsightly and detrimental damage.
- Extends lifecycles of doors.
- Reduces expensive repair and replacement.
- Smartens and maintains the aesthetic appearance.
- Choice of colours can help with wayfinding and dementia care.
- Large stocks with quick delivery.

# Door Edge Protectors

Yeoman Shield fire rated Door Edge Protectors shield vulnerable hinged and meeting edges of doors from impact damage. They can be fitted to fire doors without affecting the fire rated integrity and are also perfect for protecting non-rated doors.

## Composition:

Outer 2.0 mm thick formed from extruded PVCu.

Core 9 mm thick extruded PVCu on Radius and Square profiles.

12 mm thick PVCu core on Double Swing profile.

Lead lined door edge protector is available for x-ray and laser rooms, supplied with code 7 lead strip.

## Impact / Abrasion:

**BS 2782: part 3: 1990**  
Scratch ASTM D3363-74

For further product data including cleaning and maintenance etc see page 17 or call 0113 279 5854

## Fire Seals:

Intumescent strips FD30 15 x 4 mm & FD60 20 x 4 mm either fire or fire and smoke seals.

Door edges can also be used for non-fire rated doors using pellets to cover fixings.

## Dimensions:

Manufactured to order within the following dimensions:-

**Leg length:** 50 mm standard, other lengths available (within fire test parameters when using on fire doors.)

**Width:** 43 – 54 mm to accommodate FD30 doors  
54 – 64 mm to accommodate FD60 doors

**Height:** 2100 mm as standard up to 2400 mm if required

Bespoke size available for non-fire rated doors.

**Profiles:** Radius, Square, or Double Swing.

## Colours & Finishes:

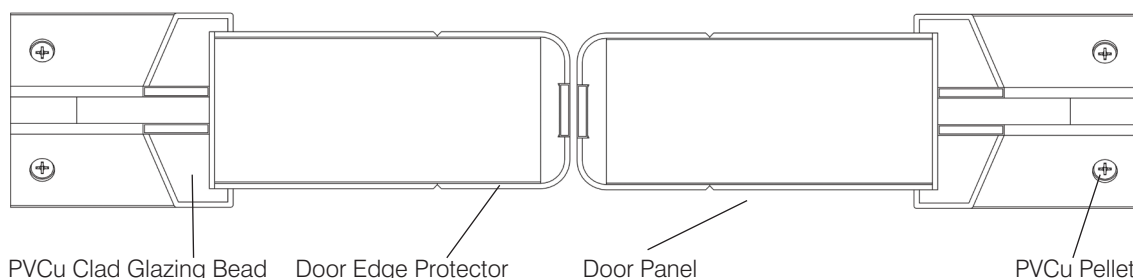


Scan QR code  
Or request a colour card.

## Specify This Product:



Scan QR code  
[yeomanshield.com/yeoman-shield-specificationhub](http://yeomanshield.com/yeoman-shield-specificationhub)  
or via NBS source.



Available intumescent fire / smoke seals for FD30 & FD60 ratings



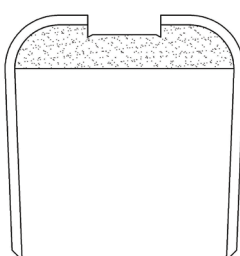
Plain (Fire)



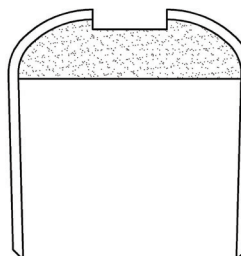
Brush (Fire & Smoke)



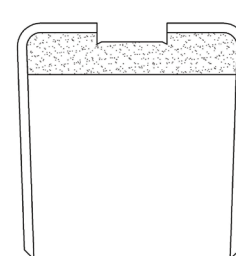
Twin Fin (Fire & Smoke)



Radius Profile



Double Swing Profile



Square Profile

For more technical drawings please contact our Head Office



**Application:** Hospital & Health Care settings, Public Buildings, Student Accommodation, Schools and Leisure Venues



**Fire Test Information**

**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.

**Installation:**

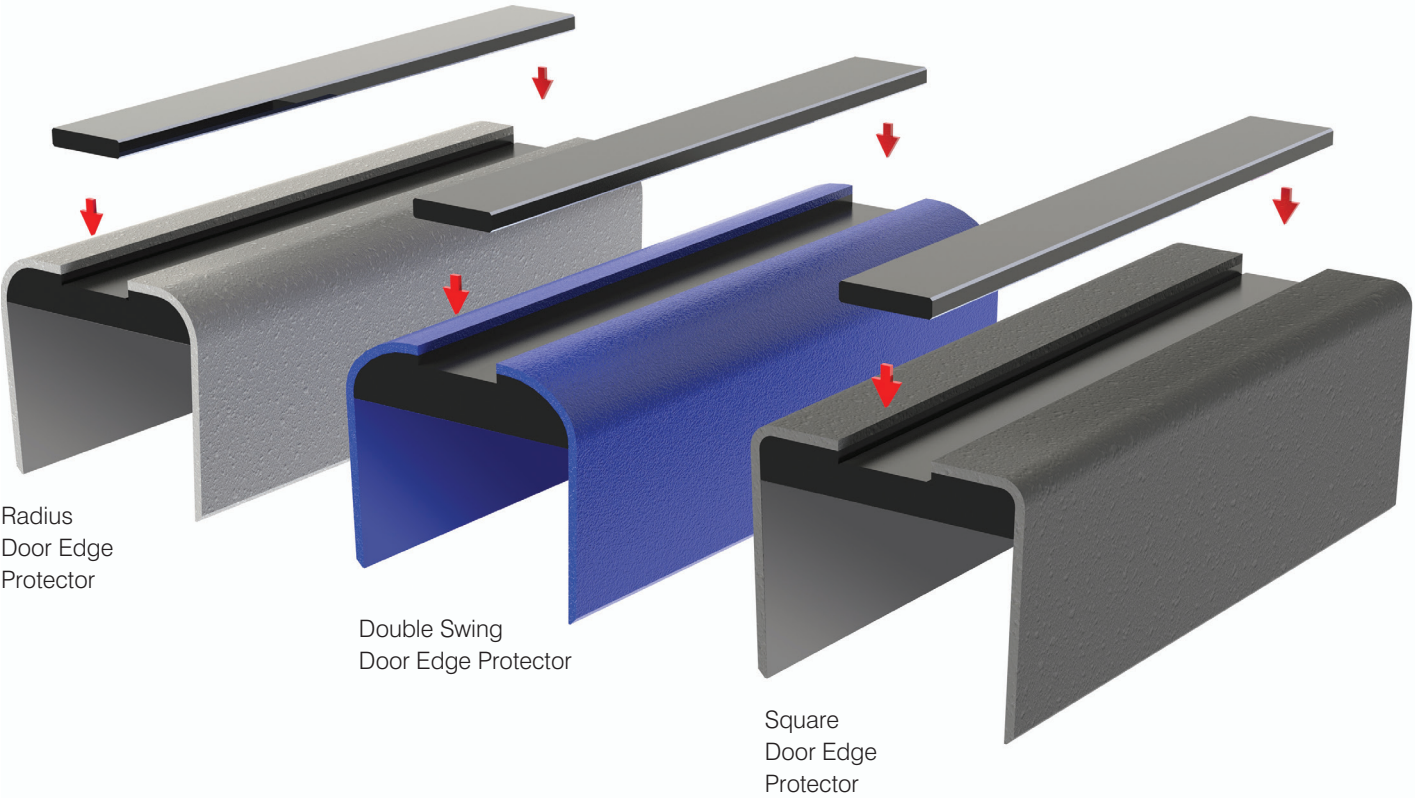


Use the QR code to access our 'how to' video.

**Installation Service**  
available carried out  
by FIRAS accredited  
fixing operatives.

**Why use Yeoman Shield Door Edge Protectors:**

- Retains integrity of fire door when fitted.
- Protects from unsightly and detrimental damage.
- Extends lifecycles of doors.
- Reduces expensive repair and replacement of doors.
- Easy to install and replace if needed.
- Quick delivery.



Radius  
Door Edge  
Protector

Double Swing  
Door Edge Protector

Square  
Door Edge  
Protector

# Door Frame & Architrave Protectors

Frame and architraves which play an important part of the structure and function of doors, especially in fire doors, are easily damaged with everyday use. Yeoman Shield frame & architrave protectors prevent splintering and chipping helping to preserve the functionality of the door.

## Composition:

Formed from extruded PVCu. An inherently hygienic and easy to clean material.

Solid timber inserts for architrave products.

Softwood insert for FD30 stop lath protectors

Hardwood insert for FD60 stop lath protectors.

## Impact / Abrasion:

**BS 2782: part 3: 1990**  
Scratch ASTM D3363-74

For further product data including cleaning and maintenance etc. see page 17 or call 0113 279 5854

## Dimensions:

Bespoke frame and architrave protectors are manufactured to requirements. Extruded range available in the following standard sizes in a smooth finish available in either White or Graphite only.

Architrave **internal** sizes:

Square/Radius 15 x 45 x 15 mm supplied in 2.3 m lengths

Radius/Radius 18 x 45 x 18 mm supplied in 2.3 m lengths

Square/Splayed 15 x 23 x 22 x 10 mm supplied in 2.3 m lengths

Stop Lath **internal** sizes:

Softwood FD30 (1/2 Hr) 18 x 45 x 18 mm supplied in 2.3 m lengths

Hardwood FD60 (1 Hr) 18 x 45 x 18 mm supplied in 2.3 m lengths

## Colours & Finishes:

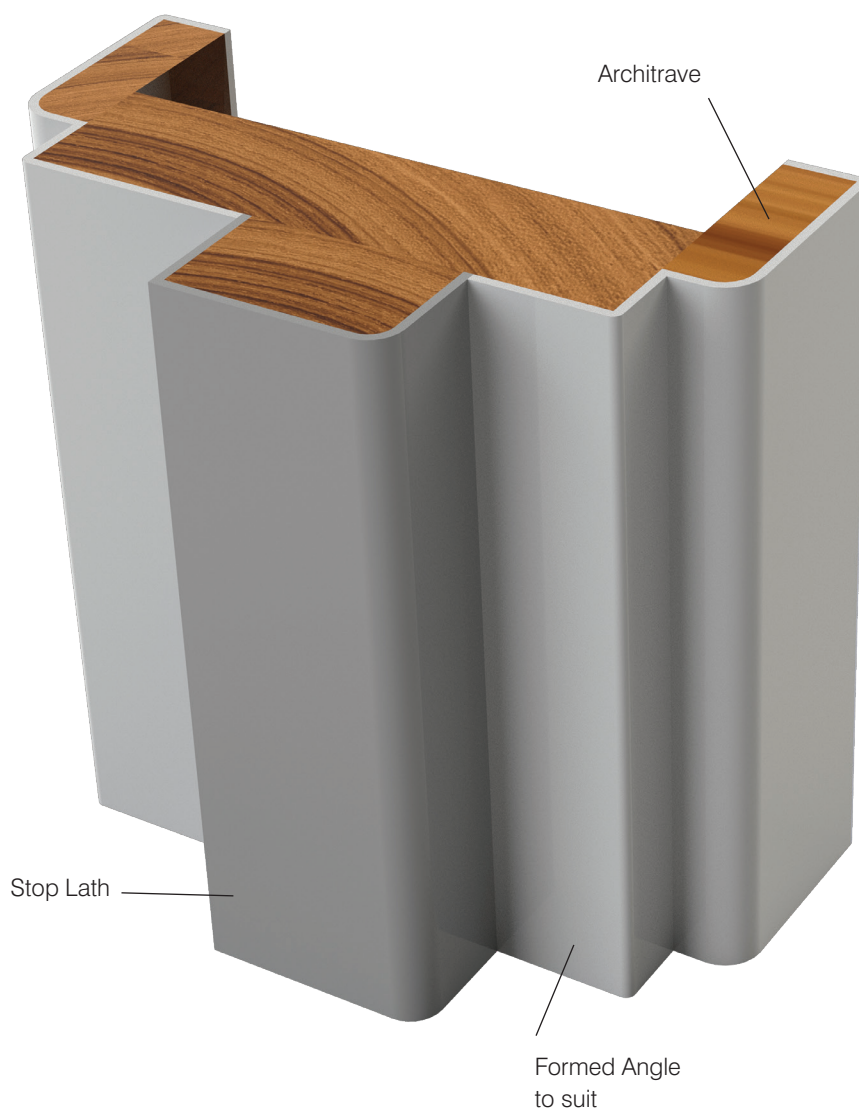


Scan QR code  
Or request a colour swatch.

## Specify This Product:



Scan QR code  
yeomanshield.com/  
yeoman-shield-  
specificationhub  
or via NBS source.





**Application:** Public Buildings, Student Accommodation, Schools, Hospitals, Care Homes & Leisure Venues.



**Fire Test Information**

Smooth Extruded Frame Protection Products  
**CFR1101041 Rev 1 &  
CFR 1002181 Rev 2  
BS EN 1634-1 :2008 (1 Hr).  
BS EN 1634-1 :2008 (1/2 Hr).**

**Installation:**



Use the QR code to access our 'how to' video.

**Installation Service available carried out by FIRAS accredited fixing operatives.**

**Why use Yeoman Shield Architrave & Frame Protection:**

- Never have to repaint frames & architraves again.
- Protects from unsightly and detrimental damage.
- Assists in preserving the function of a door.
- Smartens and maintains the aesthetic appearance.

## PVCu Clad Glazing Bead

Fire rated PVCu clad Glazing Beads from Yeoman Shield provide a more durable surface to prevent impact damage that may cause the splitting and chipping of unprotected beads. They can be utilised on new doors or can replace damaged beading extending the lifecycle of both fire rated and non-fire rated doors.

### Composition:

Formed from extruded PVCu material over a hardwood core incorporating relevant Therm-a-bead seals.

### Impact / Abrasion:

**BS 2782: part 3: 1990**  
Scratch ASTM D3363-74

For further product data including cleaning and maintenance etc. see page 17 or call 0113 279 5854

### Dimensions:

Bespoke product made to order and dependent on door specifications.

### Colours & Finishes:



Scan QR code  
Or request a colour card.

### Fire Test Information

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

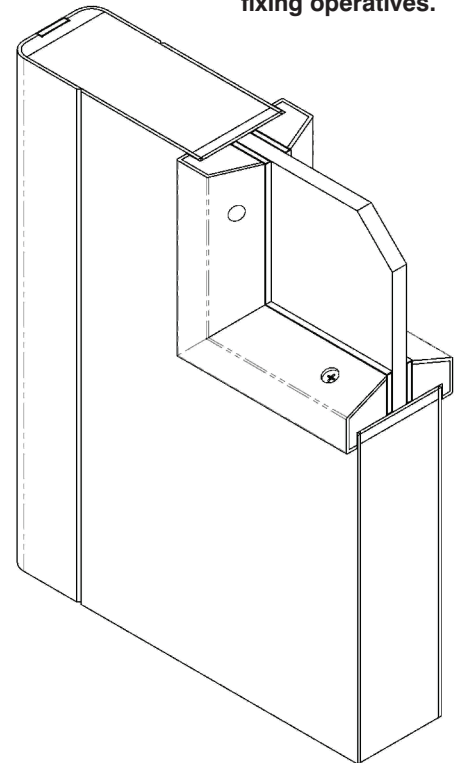
**BS 476: Part 22: 1987**  
– For ½ hour or 1 hour fire integrity on full door assemblies.

### Installation:



Use the QR code to access our 'how to' video.

**Installation Service available carried out by FIRAS accredited fixing operatives.**



### Why use Yeoman Shield PVCu Clad Glazing Bead

Protects Vision Panels from impact damage.

Retains integrity of fire door when fitted.

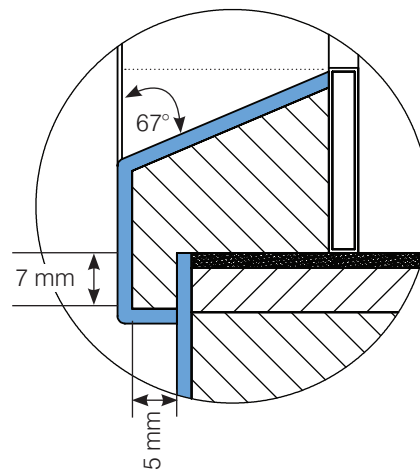
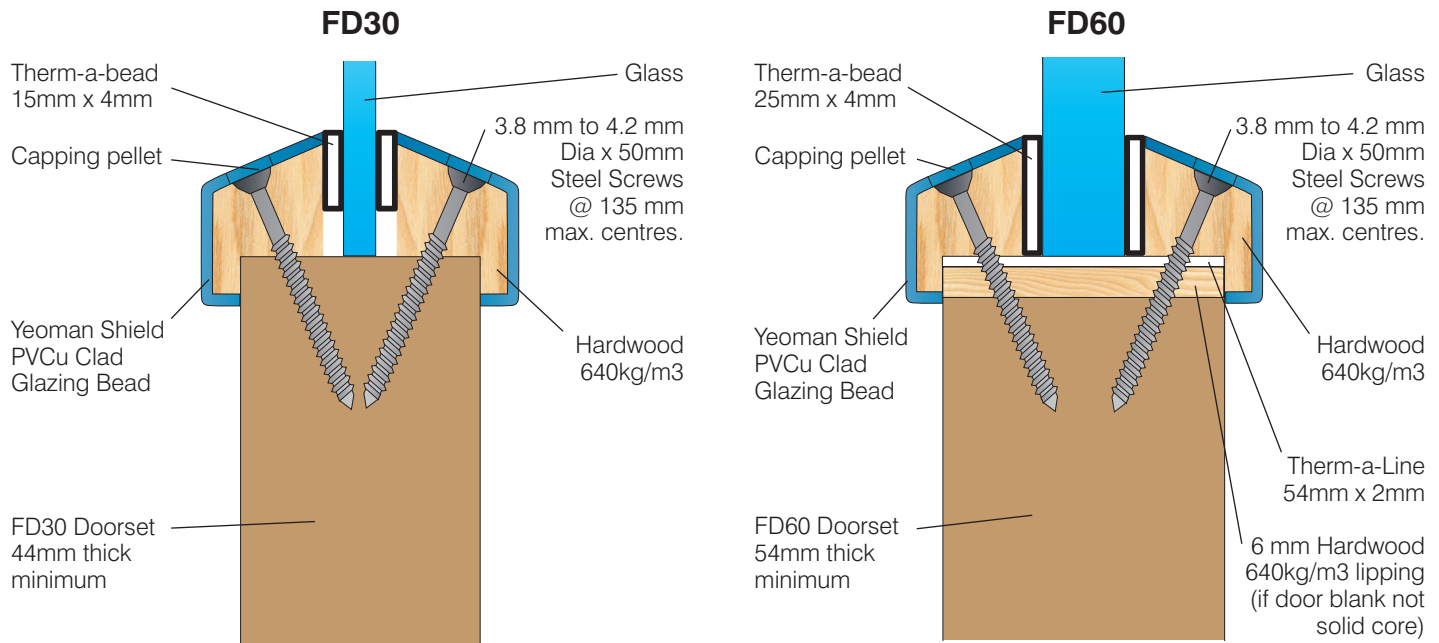
Can be an accepted repair technique for replacing damaged glazing beads.

Extends lifecycles of doors.

Reduces expensive repair and replacement of doors.



**Application:** Hospital & Health Care settings, Public Buildings, Student Accommodation, Schools and Leisure Venues



### Important Considerations when Fitting Yeoman Shield PVCu Clad Glazing Bead Units:

The Yeoman Shield PVCu Clad Glazing Bead system comprises a hardwood bead (normal density 640 kg/m<sup>3</sup>) with dimensions 32 mm x 22.5 mm (inc. 2 mm thick Yeoman Shield PVCu Cladding) incorporating a 7 mm x 9 mm bolection and a splay angle of 23°.

The three external faces of the beads are clad with 2 mm thick PVCu. The beads are fixed using Ø3.8 – 4.2 x 50 mm long steel countersunk screws set at approximately 135 mm centres at 23° skew angle relative to the glass, starting approximately 60 mm in from each corner of the glazed aperture.

The Yeoman Shield PVCu Clad Glazing Bead system can be utilized to replace glazing beads on existing FD30 or FD60 minute timber doorsets. In these instances, where applicable and acceptable, the existing glass can be retained and the glazing beads may also be retained.

Before commencing any retrospective or refurbishment work, please review our **Yeoman Shield** PVCu Glazing Bead Fire Assessment Report.

**N.B.** When the entire glazing system is being replaced, if the door is not of solid timber composition, then a hardwood liner is required around the perimeter of the glazed opening (and should be a minimum 6 mm thick at a density of 650kg/m<sup>3</sup>). The aperture can be increased to accommodate the liner providing the overall glazed area is not increased. Acceptable glass types will remain as per current assessed scope.

However, if door evidence is available to prove the door, when fitted with the specified glass and Therm-a-glaze system (including the 25 x 4 mm Therm-a-Bead seals and the specified Therm-a-Line liner) without a hardwood liner, then in this instance the hardwood liner will not be needed.

# Door Clapping Lath

A Clapping Lath from Yeoman Shield acts as a privacy guard when fitted over the gaps on the pull side of a double door.

For use on X-ray and Laser Room doors a lead-lined version is available preventing beams or radioactivity leaking from gaps between the door edges.

The Clapping Lath can be used in conjunction with the Yeoman Shield lead-lined Door Edge protectors.

**Application:** Hospital & Health Care and Laboratory settings

## Composition:

Formed from Yeoman Shield Falmouth extruded PVCu material over a PVCu toughened core. Lead strip supplied to code 7.

## Dimensions:

Standard 15 x 65 x 2100 mm.  
2.0mm thick PVCu outer cover.  
11.0 mm nominal inner core thickness.

## Colours & Finishes:



Scan QR code  
Or request a colour card.

## Fire Test Information

**BS EN 13823: 2010 + A1: 2014.**

**BS EN ISO 11925 – 2: 2010.**

**BS EN 13501 – 1: 2007 + A1: 2009.**

**BS 476: Part 7: 1997**

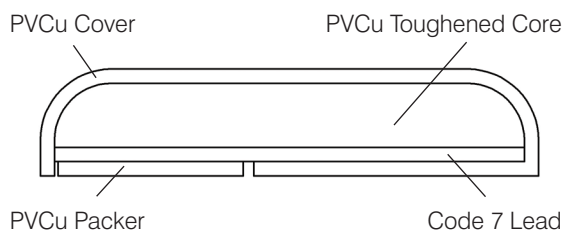
The Surface Spread of Flame Products.

**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).



## Why use Yeoman Shield Door Clapping Lath:

Covers the gap on meeting edges of doors for privacy purposes.

Reduces the leaking of radiation etc. from scanner, laser and radiation rooms.

Can be used with the Yeoman Shield Door Edge Protectors.

Retains the integrity of Fire Doors when fitted.

Available in the On Trend and Premier range to match or contrast with other door protection products.



## Yeoman Shield Fire Test Information

### Yeoman Shield Wall & Door

Protection products have been fire tested in accordance with current regulations and achieved the following:

## General Information



### Fire Door Protection Products

#### Textured Extruded Sheet – B, s3, d0

**BS EN 13823: 2010 + A1: 2014.**

**BS EN ISO 11925 - 2: 2010.**

**BS EN 13501 - 1: 2007 + A1: 2009.**

**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).

#### Smooth Extruded Sheet – B, s3, d0

**MSZ EN 13823: 2011.**

**MSZ EN ISO 11925 - 2: 2011.**

**MSZ EN 13501 - 1: 2019.**

### Door Edge Protectors

© **Patented Product - FD30/FD60**

**BS 476: Part 22: 1987** - For 1/2 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

**BS EN 1634 - 1: 2008** - For 1/2 hour and 1 hour fire doors.

**BS 476: Part 22: 1987** - For 1/2 hour or 1 hour fire integrity on full door assemblies.

### Smooth Extruded Frame Protection Products CFR1101041 Rev 1 & CFR1002181 Rev 2

**BS EN 1634-1:2008 (1 Hr).**

**BS EN 1634-1:2008 (1/2 Hr).**

**All BS or EN 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 do not support the growth of bacteria or mold. When cleaning we recommend using a solvent cleaner or products such as Dettox, 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 manufacturer's recommendations. The textured surfaces of Yeoman Shield products help to hide the everyday knocks, bumps, scrapes and marks caused by vehicular traffic.

### Chemical Resistance

Yeoman Shield PVCu material is unaffected by commercial solvents and cleaners.

### Maintenance

Yeoman Shield products are maintenance free other than normal cleaning in accordance with the above.

### Expansion & Contraction

Yeoman Shield products will expand and contract according to temperature fluctuations: Generally, our 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°C, 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.

### 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 (Substance of Very High Concern) list dated June 2012.

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

### Timber Products

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

## Case Studies

### Fire Door Safety Maintained at West Lothian Schools with Yeoman Shield Fire Door Services

West Lothian Council schools, Deans Community High School and Armadale Academy, are maintained by Bellrock Group under a contractual PPP3 project agreement. Taking on this maintenance management for the two school buildings places the Bellrock management team as the Responsible Person when it comes to compliance to fire safety maintenance which incorporates fire rated doors.

With this in mind, Martin Igoe, Senior FM for Bellrock, engaged with Yeoman Shield Fire Door Services when it came to assessing and protecting the condition of the schools' fire doors with an impact protection system.

As a brand name of Harrison Thompson & Co. Ltd. who are a registered FIRAS Warringtonfire (a UKAS accredited scheme for fire door and passive fire resisting products installation) company, Yeoman Shield Fire Door Team were able to undertake a conformity survey of the doors in both schools.

This consisted of an assessment of the condition of the fire doors, noting remedial work required to improve the doors functionality, replacement of doors where required as well as noting advisory door protection products that could improve the look, condition and extend the life cycle of the doors by solving impact damage problems.

After an itemised quotation for the work had been raised and accepted, Yeoman Shield directly employed fixing operatives carried out the work at both school sites simultaneously in accordance to Bellrock's programme.

Remedial work to both frame and fire doors, replacement doors as well as Yeoman Shield Fire Rated Protection products which were Door Protection Panels, Door Edge Protectors and PVCu clad Glazing Beads were fitted by the accredited teams following best practice guidance.

Martin Igoe commented "Having previously used Yeoman Shield on school projects in Aberdeenshire I was more than happy to again collaborate with Yeoman Shield for the Deans Community High School and Armadale Academy.

"Their door protection products are great; not only have Yeoman Shield re-certified the old fire doors for conformity, they have also extended the life of the doors by fitting a hard-wearing cladding to each. This makes them more durable for the rigours of school life, they look amazing and are so easy to clean. Further phases of the fire door work have been scheduled for later in the year."





# Life Cycle of Fire Doors Extended with Yeoman Shield



The FM company of a large Yorkshire Hospital engaged with wall & door protection specialists, Yeoman Shield, to resolve the unsightly and problematic damage that was occurring to fire doors in a busy specialist unit.

Such damage, caused by the everyday passage of people, trolleys and equipment, if not attended to, may have become detrimental to the functioning of the fire doors.

Yeoman Shield were able to provide a comprehensive fire rated door protection system, which when installed does not affect the fire integrity, to help combat and break the damage cycle, helping to prolong the life of the doors. Door Edge protectors, either FD60 or FD30, according to a doors rating, were installed to the vulnerable leading and hinged edges of the door to prevent chipping and splintering and helping to maintain the recommended 3mm gap between doors and frames.



The leaves of the doors were covered with Yeoman Shield's 2mm thick FalmouthEx protection panels at either full or half height dependent on where the impact was more prevalent, preventing dents or holes from manifesting in the future. Standard glazing beads were replaced with PVCu clad units, complete with corresponding intumescent strip, helping to protect an element of the door much prone to damage.

A further part of the fire door refurbishment project was the addition of an Architrave and Stop Lath protection system. These systems come complete with hardwood (stop lath) or MDF core (architrave) with a PVCu cover and as such not only becomes resilient to impact damage but eliminates the requirement for redecoration and repair. Yeoman Shield were able to provide fire certificates for all parts of their fire door protection system offering compliance assurance to the client.





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

t: 0113 279 5854  
e: [info@yeomanshield.com](mailto:info@yeomanshield.com)

[www.yeomanshield.com](http://www.yeomanshield.com)



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