

**AMO** Security

# AMO Security & Fire Protection Range

GOODS  
IN

PLEASE USE  
FOR ATTENTION

**AMO** GROUP

# Quality Assurance...

from AMO Security.

We make it easy for you to choose AMO Security and AMO Fire Protection: all our products are tested and approved to the highest standards.

Our security range is fully compliant with the latest applicable UK & EU regulations. Our fire protection range is independently tested, approved and certified. And our friendly expert team is always on hand to advise and guide you in choosing the security or fire protection solution that best suits your needs and budget. Installations of all the products in this brochure are carried out by AMO's own professionally trained engineers.



# Welcome to AMO Security

Manufacturing, supplying and installing  
Security Products since 1989

We manufacture, supply and install a comprehensive range of fully compliant security products including roller shutters, steel doors, grilles and bars as well as fire shutters and fire curtains to the commercial, industrial and public sectors.

Established in 1989 by the late Peter Hudson as AMO Security Roller Systems, we've gone from strength to strength expanding our product range and client base from our headquarters in the heart of Yorkshire.

Today, the AMO Group which includes consumer division, Lakeland Home Innovations as well as AMO Security, is still very much a family business taking pride in its high quality products, value for money ethos and commitment to outstanding customer service.

These pages give an overview of our security and fire product ranges to the trade. We offer free quotations and technical advice to all our customers, whatever the size or scope of their project.

For detailed product specifications, certifications and fixing options visit our website or contact one of our highly experienced team members.

We look forward to working with you.

**Andrew Crookes**

Managing Director, AMO Group





## Roller Shutters

### **Aesthetic solutions for every application**

AMO Security manufactures and installs a comprehensive range of roller shutters suitable for new build, refurbishment and retrofit purposes.

Custom-made, all our roller shutters comply with the latest applicable UK & EU regulations and are installed with relevant safety devices (safety brakes, manual override facility and safety edges) as required.

Available in a range of materials, finishes and security specifications.

#### **Our range:**

- ✓ Steel Roller Shutters
- ✓ Aluminium Roller Shutters
- ✓ Transparent Roller Shutters
- ✓ Insulated Roller Shutters
- ✓ Insurance Rated Shutters
- ✓ Rolling Grilles
- ✓ Energy Saving Products

# Finishes and Operation

## Finishes

Roller Shutters can be supplied in a plain finish or colour coordinated to match steel cladding by applying a polyester powder coated finish to the shutter (most colours from the RAL or BS4800 colour charts are available).

Solid steel curtains make a good choice in areas where planning restrictions are less of an issue, whereas perforated and punched finishes provide an aesthetic alternative that offers protection while maximising airflow, light transmittance and visibility.

A plastisol steel curtain, offering excellent resistance to corrosion and abrasive protection, can be chosen to complement the steel cladding so often found on the contemporary external facades of industrial premises.

## Operation

Electric operation is recommended due to the majority of roller shutters being large and heavy:

- ✓ Tube Motor (requires a 240v supply) – the most popular method, suitable for roller shutters that are activated several times a day.
- ✓ 3 Phase Motor – recommended for roller shutters that require more frequent operation. Available as:
  - Direct Drive
  - Flange Mount
  - Chain Driven

In the event that electricity is not available, a manually operated roller shutter door can be installed as a simple push up/pull down, chain or gearbox operated mechanism.



# Steel Roller Shutters

## Strong, cost effective and superbly secure

Suitable for a wide range of applications, AMO steel roller shutters are a very popular option.

Predominantly used for external protection of windows and entrances to retail, commercial and industrial premises, these shutters come in a range of profiles, thicknesses, designs and finishes.

- ✓ Cold rolled from a coiled sheet of galvanised steel
- ✓ Available in a range of profiles (most popular being of 76mm curved design available in solid, perforated or punched finish)
- ✓ Available with a high level of insulation (95mm foam filled lath (single profile) or 100mm double skinned steel)
- ✓ Range of thicknesses (dependent on security required and/or wind loadings).
- ✓ Range of designs and finishes:
  - Plain
  - Powder coating to RAL colour
  - Plastisol to match steel cladding
- ✓ Tube & Link Curtains – ideal where a high level of visibility, light transmittance and/or ventilation is required (eg car park entrances)









# Aluminium Roller Shutters

## A lighter exterior with a strong reliable core

Much lighter than their steel counterparts, aluminium roller shutters lend themselves to an even wider range of applications, from storage cupboards to windows and doors.

- ✓ Available in a range of profiles:
  - Foam-filled profiles – lightweight and ideal for providing low to medium-rated security
  - Extruded aluminium profiles – higher level of security; (double-extruded to add strength)
  - Single skinned perforated or punched profiles
- ✓ Polycarbonate inserts available for punched profiles to improve security without compromising appearance and visibility.





## Insurance Rated Roller Shutters

### Tested and approved peace of mind security

With the requirement for third party assessed security products on the increase, AMO offers a range of both steel and aluminium Insurance Rated Roller Shutters tested and approved by the LPCB (Loss Prevention Certification Board) from Security Rating 1 (SR1) to SR4.

- ✓ AMO's range of roller shutters can be made to comply with insurance company ratings from SR1 to SR4:
  - SR1 – withstands an opportunist attack by bodily force and stealth using minimal tools
  - SR2 – withstands a determined opportunist attack by bodily force using tools of a higher mechanical advantage
  - SR3 – withstands a deliberate forced entry of well protected premises using bodily force and a selection of attack options
  - SR4 – withstands experienced attempts of forced entry with higher tool levels



## Insulated Roller Shutters

### Minimise heat loss and reduce your energy costs

Where increasingly stringent building regulations call for improved building performance, insulated roller shutters deliver high levels of security as well as minimising heat loss, reducing draughts and offering sound reduction benefits.

- ✓ Keep interiors cooler in the summer and warmer in the winter
- ✓ Available in aluminium or steel profiles



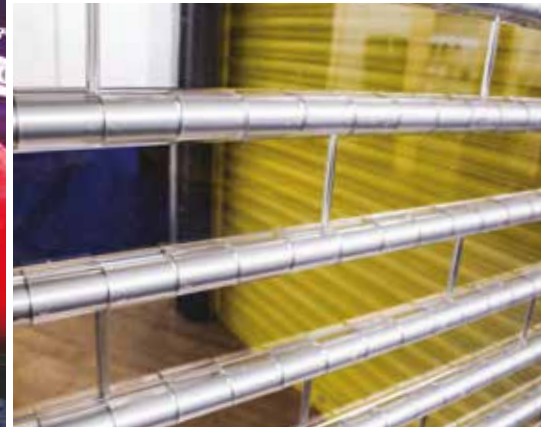
## Energy Saving Products

### Economical heat loss solutions

AMO provides a range of additional cost effective solutions including:

- ✓ PVC Strip Curtains – a fixed product, ideal for reducing heat loss through openings where frequent deliveries are made
- ✓ High Speed Doors – can be opened and closed at speeds of up to 1.2m per second and controlled in a variety of ways from simple push button to remote control or radar movement detector. An automatic door close function ensures minimum heat loss
- ✓ Insulated Sectional Doors – traditionally used in industrial applications where higher insulation properties are required.
- ✓ Features a 40-45mm thick panel with CFC foam sandwiched in the middle
- ✓ Dock Shelters and Dock Seals – ideal for protecting goods and minimising heat loss when sectional doors are open





## Transparent Roller Shutters

### Superior visibility with exceptional strength

Offering a combination of strength, visibility and light transmittance, transparent roller shutters are becoming an increasingly popular choice not only in retail premises and banks where maintaining visibility is crucial for commercial and security reasons, but also in museums and galleries where unrestricted public access and protection have to go hand in hand.

- ✓ Synthetic links of polycarbonate assembled in brick formation
- ✓ Up to 83% transparency
- ✓ Up to 92% daylight transmittance
- ✓ Ideal for town centre and conservation area applications





## Rolling Grilles

### Space saving and economical

Where a more delicate aesthetic needs to be taken into account, rolling grilles, with their high level of visibility, ensure physical security without detracting from appearance.

- ✓ Generally fitted internally
- ✓ Manufactured from a powder coated aluminium finish
- ✓ Offered in different sized profiles depending on openings

### Tube & Link curtains

Ideal for server sections in bars, reception areas and multiple retail applications.

- ✓ Popular for their flexible arrangement
- ✓ Range of materials and finishes available: aluminium, BZP steel or stainless steel, powder coated to any RAL colour.
- ✓ Standard brick bond arrangement of 220mm x 76mm
- ✓ Additional strength via an in-line patterned arrangement of 110mm x 76mm





Bars and Grilles improve security without detracting from a building's aesthetic appeal. From simple fixed window bars to insurance-rated retractable grilles, AMO Security manufactures and installs one of the broadest product ranges in this sector.



## Bars

### Protection with visibility

AMO Security offers both fixed and removable bars suitable for a wide variety of openings in a range of finishes to blend in with surroundings.

Fixed security bars are usually fitted externally and are ideal where access is not required, eg small kitchen and bathroom windows.

AMO's award-winning removable bar system features anti-cut steel bars securely locked into position to protect vulnerable window openings. These can be released, as needed, from the inside to allow full visibility or maintenance.



# Retractable Grilles

## An unobtrusive extra layer of protection

With the benefit of being unobtrusive when not in use, retractable grilles offer a visual deterrent as well as a physical barrier. Flexible in terms of fitting, finish and style they lend themselves well to protecting windows, doors and fire escapes.

- ✓ Easy, safe and quick to operate
- ✓ Maintain high levels of visibility even when closed
- ✓ Take up little room when open
- ✓ Provide a wide variety of installation options:
  - Internal / External
  - Fitted within a reveal or to the face of a wall
  - Tracks can be sunken into the floor, surface mounted, hinged or removable
  - Top track can easily be concealed
  - Locks can be operated from one or both sides
- ✓ White is the standard and most popular colour
- ✓ Can be powder coated to a standard RAL or BS colour to blend into surroundings



# Insurance Rated Bars and Grilles

## Security ratings for every situation

With the requirement for third party assessed security products on the increase, AMO offers a range of Insurance Rated Grilles and Bars, tested and approved by the LPCB (Loss Prevention Certification Board) from Security Rating 1 (SR1) to SR3.

- ✓ AMO's range of bars and grilles can be made to comply with insurance company ratings from SR1 to SR3:
  - SR1 – withstands an opportunist attack by bodily force and stealth using minimal tools
  - SR2 – withstands a determined opportunist attack by bodily force using tools of a higher mechanical advantage
  - SR3 – withstands a deliberate forced entry of well protected premises using bodily force and a selection of attack options



# Steel Doors

## Combining elegance with strength

AMO Security supplies a range of steel doors suitable for a wide variety of applications, from heavy industrial to commercial.

Every door has hidden strength via a unique hinge chassis system reinforcing the hinged area:

- ✓ Minimum of 4 high quality stainless steel hinges (grade 13)
- ✓ 7 heavy duty dog bolts

Combining security, safety and a pleasing aesthetic, each door option can be tailored to meet specific customer requirements:

- ✓ Available as single, leaf, half, or double
- ✓ Available with security upgrades
- ✓ Choice of vision and louvre panels
- ✓ Wide choice of door furniture and access devices eg code locks
- ✓ Polyester powder top coat (to most RAL or BS colours) available to improve and extend the life of the steel door's finished coat

## Fire Exit Steel Doors

Suitable for exits that have to combine an emergency escape facility with high levels of security, AMO Security offers a comprehensive range of the best performing panic/escape hardware to complement its door installations.

These hard-wearing, steel hinged doors are designed to handle high traffic levels and include:

- ✓ General Purpose Steel Doors
- ✓ Substation Doors
- ✓ Fire Exit Steel Doors
- ✓ Insurance Rated Security Fire Doors and Communal Doors









## Fire Shutters and Curtains

### Fire protection for your building and valuables

In recent years, building control directives have called for ever higher levels of fire protection. This means that increasing numbers of premises, from community halls to school kitchens, warehouses to retail spaces, need to have fire protection products, systems and strategies in place.

AMO supplies fire shutters and fire curtains, to be used as part of an overall fire protection strategy. Fire shutters and fire curtains compartmentalise buildings and help prevent the rapid spread of a fire.

#### Fire-rated roller shutters carry the following specifications:

- ✓ 1 hour, 2 hour or 4 hour fire ratings, depending on requirements
- ✓ Tested and approved at Exova Warrington Fire under BS EN 476-22:1987 test conditions
- ✓ Installed in a range of sizes up to 50m<sup>2</sup>

#### Fire-rated curtains carry the following specifications:

- ✓ 2 hour fire rating is available
- ✓ Tested and approved at Exova Warrington Fire under BS EN 1634-1:2008 test conditions
- ✓ Installed in a range of sizes up to 30m<sup>2</sup>





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## Fire Shutters

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With the added benefit of doubling up as a day-to-day security solution, fire shutters are designed to descend automatically on receipt of a signal identifying a fire. Depending on the system, this signal can be received from a central fire alarm or locally via a fusible link.

Fire shutters can be programmed (via audio-visual panels) to make staged descents, acting as smoke barriers in the first instance while occupants escape for a pre-determined length of time, followed by a complete lowering where the fire shutter forms a fire barrier. Audio alarms can be fitted to announce the shutter's activation.

Galvanised steel curtains, guide channels and boxes are supplied as standard, however fire shutters can be colour coordinated to blend in with their surroundings (most RAL or BS4800 colours available).

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### Operation

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There are two electrical methods of operating AMO Fire Shutters:

- ✓ 240v Tube Motor – best suited for smaller installations on counters and serving areas where aesthetic considerations need to be taken into account.
- ✓ Single Phase or 3 Phase Chain Operated Motor – used on larger shutter installations

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## Fire Curtains

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AMO Fire Curtains are an unobtrusive way of protecting premises from the spread of fire. They are suitable for applications where security is not an issue or is taken care of by alternative means. Unless activated, they should always remain open.

Particularly popular in shopping malls, shops and laboratories, they are designed to descend automatically in the event of a fire being detected and like fire shutters can be installed with programming for staged descents and alarmed to warn of their activation.

- ✓ Material – made from a stainless steel wire reinforced glass fabric
- ✓ Galvanised guide channels and boxes supplied as standard
- ✓ Metal components of fire curtain can be colour coordinated (most RAL or BS4800 colours available)

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### Operation

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Fire curtains are operated by a 24 V DC Tubular Motor under mains supply in normal use.

Battery backup is provided in the event of power failure and, should there also be a complete battery discharge, then Gravity Fail Safe releases the brake and closes the fire curtain automatically.

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## AMO Security Accreditation

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Installations of all the products in this brochure are carried out by AMO's own professionally trained engineers.

AMO Security is accredited by:

- ✓ Contractors Health & Safety Assessment Scheme (CHAS)
- ✓ Constructionline (a Government certification service)
- ✓ Construction Skills Certification Scheme
- ✓ Acclaim Accreditation (Safety Schemes in Procurement)
- ✓ SafeContractor-approved
- ✓ Door & Hardware Federation member
- ✓ International Powered Access Federation (IPAF) member

## AMO Security, part of the AMO Group

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