



 **UK ROLLER SHUTTERS**  
SUPPLIER & FITTER OF ROLLER SHUTTERS

**ALU-12M411 INSULATED  
ALUMINIUM ROLLER  
SHUTTER**

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## ALU-12M411 INSULATED ALUMINIUM ROLLER SHUTTER



### PRODUCT DESCRIPTION

**Our ALU-12M411 come insulated which make them the perfect product for customers who want to save on energy bills as they keep the heat in, cold out or vice versa depending on that time of the year they are used. They are also used as “high quality” curtains and block out nearly 100% of all light – ideal for those of you living in big cities or busy towns.**

The canopy where the shutter rolls into can come as a square or rounded option depending on your preference.

Comes in 7 standard colours: White, brown, cream, fir green, grey, silver or black. We also have both vented & non-vented options.

For larger openings please see the “big brother” of this model, our ALU-12M511.

## IDEAL USES

- House windows.
- Office windows.
- Reception counters.
- Display areas.

## KEY FEATURES

- Offers low to medium security
- The ALU-12M411 traditionally offers a more cost effective and aesthetically pleasing solution to that of an insulated steel shutter.
- Lighter than a steel shutter means less energy is needed to open them ( $4\text{kg/m}^2$ ).

## TECHNICAL SPECIFICATIONS

### Applications

Low to medium security domestic sites with a maximum size of  $8\text{m}^2$ .

### Curtain Slat

Aluminium double skinned polyester powder coated slat with polyurethane foam insulating core. Vented or non-vented options.

**Visible Face:** 42mm  
**Weight per  $\text{m}^2$ :** 4kg  
**Maximum Width:** 3400mm  
**Maximum Surface:**  $8\text{m}^2$   
**Slat U-value:**  $3.7\text{ W/m}^2\text{K}$

### Enclosure

Manufactured from roll-formed aluminium with pressure-moulded aluminium alloy end plates. Circular box available for 165mm/205mm plates for an additional cost.

### Guide Channels/Bottom Slat

Extruded aluminium bottom slat with rubber weather seal. Extruded aluminium guide channels with brush inserts. 45mm, 53mm, 66mm or 60mm HD (Heavy duty) widths available as required. See relevant CAD drawing.

### Finish

**Standard curtain colours:** White (RAL 9016), Brown (RAL 8019), Cream (RAL 9001), Fir Green (RAL 6009), Grey (RAL 7038) & Silver (RAL 9006). Black

(RAL 9005) is available for an additional cost. We have both vented & non-vented options. Box and guides can be powder coated to any stocked RAL/BS colour for an additional charge.

### Operation

**Cord Belt:** A swivel winder coils a belt attached to the rotating shutter barrel.

**Rod & Crank:** Geared rod and crank handle winds the shutter.

**Spring & Lock:** A counter balanced spring assembly with a key lock bottom slat & handles.

**Electric:** Single phase tubular motor & wall switch as standard. Numerous options such as group or remote control etc. Manual override facility as required (surcharge applies).





## OPTIONS AND VARIATIONS

### Hoods/Fascia's

Circular option for canopy if required.

### Operation/Controls

#### Electric

(Not all options are available on all size shutters)

- Key switch
- Radio/remote Control
- Rocker switch
- Timer closing
- Loop and Radar operation
- Smart phone
- Swipe Card activation

#### Manual

Spring and lock operation (for smaller shutters)

Hand belt operation (for smaller shutters)

### Lath Design

Lath can come in solid version or vented option.

The vented option allows the customer to let small amounts of light & air in if required.

### Finishes

Curtain comes in 6 standard colours: White, brown, cream, fir green, grey or silver. Black is available for an additional charge.

Box and guides can be powder coated to any stocked RAL/BS colour for an additional charge.





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