Armourguard Insulated Security Shutter Model F1

Technical Specifications

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Armourguard Insulated Security Shutter Model F1

The Armourguard F1 delivers high levels of security and thermal protection. Featuring a steel twin skin injected with CFC-free foam insulation. 0.793 W/m2K thermal value (through centre of lath) and an acoustic reduction of 28 dB (at 1 k Hz). Meets BS EN 13241-1:2003 (class 5). Recommended maximum width 12,000 mm.

Product Overview

Description

Armourguard Insulated Security Shutter Model F1

The Armourguard F1 is an insulated roller shutter door constructed from a twin-skin steel lath injected with CFC-free foam insulation. These insulated industrial doors are manufactured from two skins of a solid 100 mm flat galvanised steel section. The F1 insulated door uses a continuous nylon end locking system and a weather proof profile that is incorporated on to the bottom section to create a seal that increases its reliability and performance. A brush strip can be used at high level to reduce air flow between the lintel and the roller shutter head plate. Glazed panels can also be incorporated into the roller shutter lath.

• Wind Load Tested BS EN 13241-1:2003 (class 5)
• Acoustic value of 28 dB reduction (at 1 kHz)
• Thermal Value 0.793 W/m2K (through centre of lath)

Common use

The Armourguard F1 industrial doors are ideal roller shutters for insulating large industrial openings against heat, noise and energy loss. This product is commonly used on industrial applications where insulation, soundproofing and security is the priority, such as industrial premises loading bay doors, warehouse doors, storage facilities, agriculture premises, barns and industrial units.

Maximum Width

12,000 mm

Dimensions

100 x 27 mm foam filled

Weight

16.5 kg/m2

Finish

The preferred finish to this product is HP200 Plastisol – this offers the best weather resistance and longevity in regards to colour fading. Powder Coating to a Standard RAL or BS4800 gives the best Colour Range, but is not advisable. Due to its design & weight it has a tendency to ‘scuff’ when rolling up or down; because of this we cannot offer any warranty on this finish.

Shutter Box Specification

Construction

0.91mm bright spangle galvanised pressed steel coil casing available in various different designs to suit individual circumstances.

Box sizes

Overall height (top of box)
Up to 3000 mm: box size 400 mm
Up to 4000 mm: box size 450 mm
Up to 5000 mm: box size 510 mm

Finish

Galvanised steel standard but these industrial doors are also available in a ranger of polyester powder coat colours.

Guide Rail Specification

Construction

Standard guide rails are 90 x 32 x 3 mm galvanised steel. Double sided brush seal and carriers are used on the guide section to minimise air leakage.

Finish

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Galvanised steel standard, polyester powder coat colours are available.

Operational Specification

Three Phase Electric

Conventional or direct drive industrial motor unit with integral travel limits, thermal cut out, complete with haul chain override for use in the event of power failure. Safety brakes are used to prevent the roller shutter from closing in the event of motor failure inline with EU legislation. Electrical requirements are dependant on usage, further details on request.

Override

A chain override is included to operate the shutter in the event of a power failure. This is only operable from one side. High level hand crank override can be specified if required.

Hand Chain Operation

A counter balanced helical spring controlled via hand chain and chain lock to secure the F1 industrial dooor. A double spring unit is incorporated into the barrel assembly inline as a second device to prevent the roller shutter from closing in the event of single spring failure inline with EU legislation.

Control

Electric operation is via a standard push button control. Other co ntrols are available on request.
Further safety devices are available, dependant on requirements and operational circumstances.

Product specification may change and it is advisable to consult with HAG technical advisors before specifying or ordering. HAG operates a policy of continuous improvement.