



SECTIONAL OVERHEAD DOORS

Common applications: Ideal for industrial and commercial premises for complete security available manual push up, chain operated or electric operated either single or three phase. Insulated and powder coated panels. Glazed and panel Combinations

INDIVIDUALLY DESIGNED FOR EACH DOOR OPENING:

- Electric 3 ph or 1 ph operators complete with starter.
- Chain hoist driven operated.
- Manual Push-up operated.
- Standard lift, high lift, vertical lift and low headroom track configurations. Follow the roof and pitched tracks available.
- Doors supplied with adjustable side hinges, intermediate hinges, nylon rollers, cable sets, bottom corner brackets, spring bumpers, self tapping panel fixings.
- All components galvanised for weather protection.
- Bolted and riveted system so galvanising is not compromised.
- Highest grade springs to DN 17223 Sort C specification.
- Safety Systems include spring brake device.

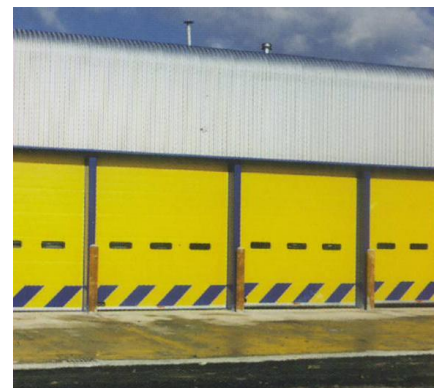


Sectional Overhead Doors give guaranteed high thermal performance avoiding cold bridging.

Insulated Sectional Overhead Door panels have a thermal performance that is greater than required by building regulations.

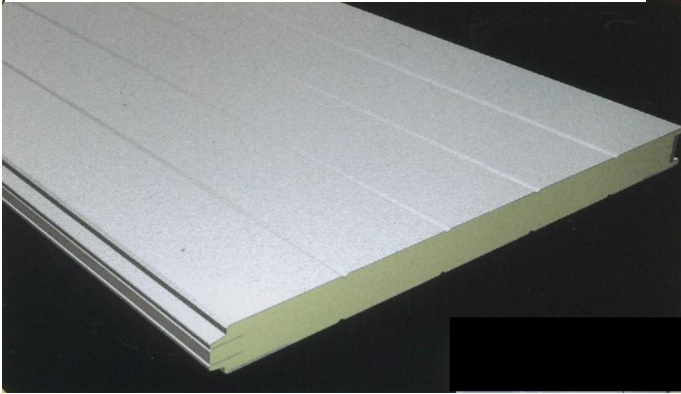
Windows can be installed in single or multiple panels

Panels can be prefinished in an extensive range of colours and materials



SECTIONAL OVERHEAD DOORS

PANEL DIMENSIONS: (610mm x 40mm)



SPECIFICATION:

The door panel provides the overall insulated Sectional Overhead Door assembly with its main characteristics

COMPOSITION:

The use of quality materials and precise manufacturing controls ensure long service life in normal industrial and commercial applications. All Insulated Door Panels conform to the Building Regulations requirements for Industrial Doors. Available in a wide range of durability finishes.

OUTER AND INNER SHEET:

0.5mm hot-dipped galvanised steel to BS EN 10147:1992 (specification for continuously hot-dip zinc-coated structural steel sheet and strip) grade Fe E220G coating weight 275g/m²

CORE:

0.5mm hot-dip 39mm thick rigid polyurethane foam, density 40kg/m³

THERMAL PERFORMANCE:

The 1995 edition of Building Regulations Approved Document L 'Conservation of Fuel and Power' defines the 'U' value requirement for Vehicle Access and similar Large Doors as 0.7 W/m²K. The document states that thermal bridges should be taken into account when calculating 'U' values. The thermal performance of standard 610mm wide and 40mm thick Insulated Door Panels, including the effect of thermal bridges as panel to panel joint, has been calculated by the finite element method giving a 'U' value of 0.60 W/m²K.

COLOURS & FINISHES:

The outer skin can be finished in British Steel's HPS200, Pvf₂ or in a architectural polyester. HP200 colours have a scintilla finish, Pvf₂ and polyester finishes are all stucco embossed as standard.

The Internal inner skin is finished in white polyester coated stucco embossed galvanised steel as standard.

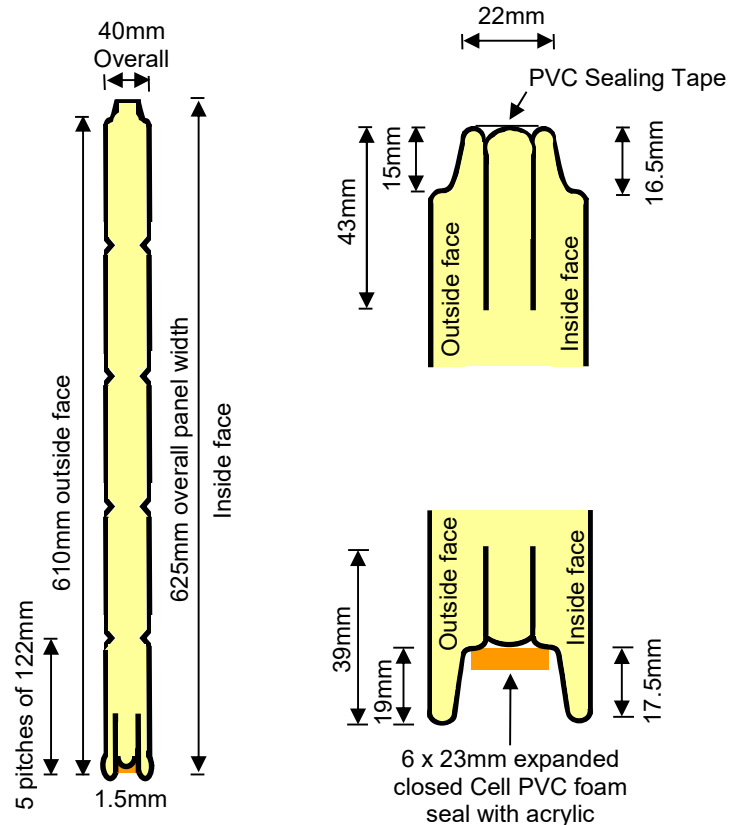
The stucco Embossed 0.7mm thick aluminium outer and inner panel is available which has the benefit of reducing weight but with the same insulation properties.

FIRE RESISTANCE:

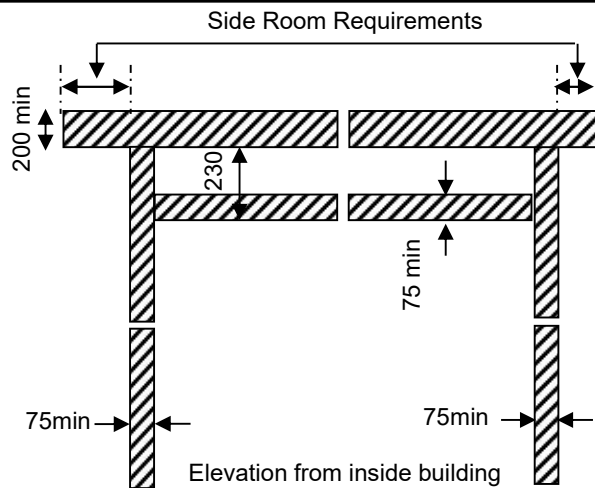
The facing materials used on Composite Panels, when tested independently have a class 1 surface spread of flame to BS 476: Part 7: 1971 and class 0 as defined by the Building Regulations 1985.

ACOUSTICS:

The 40mm insulated door panel gives sound reduction of (rw) 25db. Please note: this is for the panel only and does not include joints, i.e. a fully installed door.



SUMMARY OF STRUCTURAL STEELWORK DRAWINGS



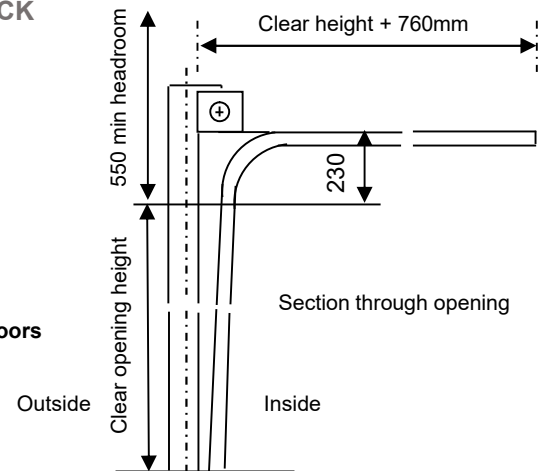
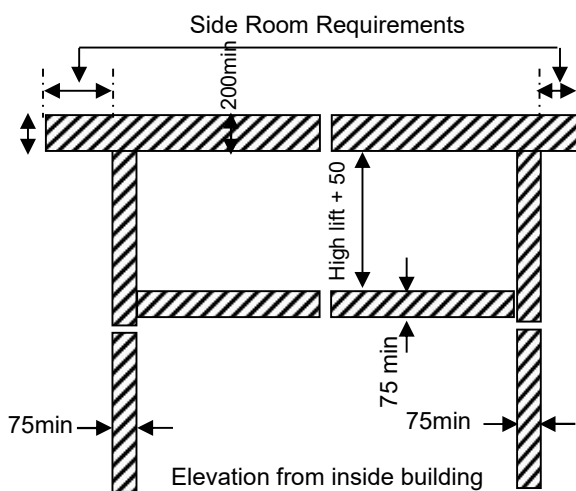
STANDARD LIFT TRACK

SIDE ROOM REQUIREMENTS

Push up doors:
150mm one side
150mm other side

Chain Hoist Doors
350mm on one side
150mm other side

Electrical Operated Doors
400mm on one side
150mm other side



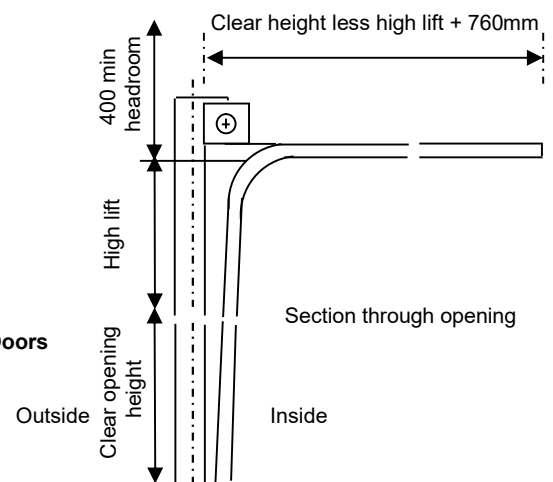
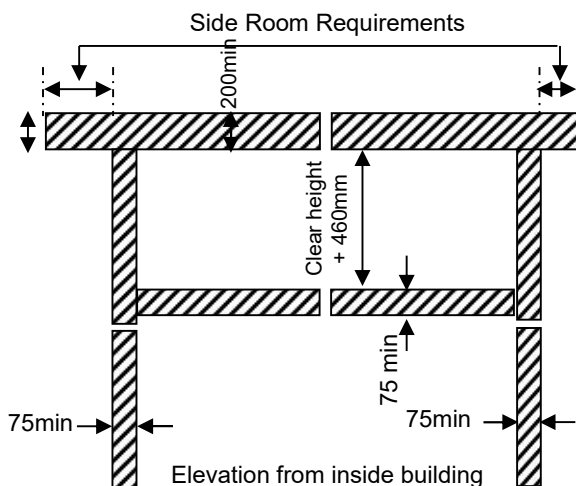
HIGH LIFT TRACK

SIDE ROOM REQUIREMENTS

Push up doors:
150mm one side
150mm other side

Chain Hoist Doors
350mm on one side
150mm other side

Electrical Operated Doors
400mm on one side
150mm other side



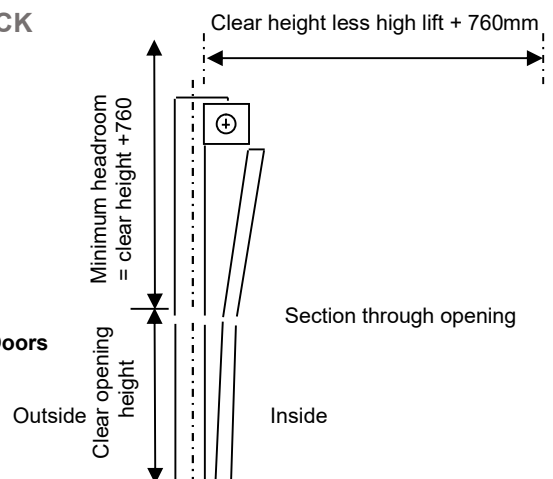
VERTICAL LIFT TRACK

SIDE ROOM REQUIREMENTS

Push up doors:
150mm one side
150mm other side

Chain Hoist Doors
350mm on one side
150mm other side

Electrical Operated Doors
400mm on one side
150mm other side

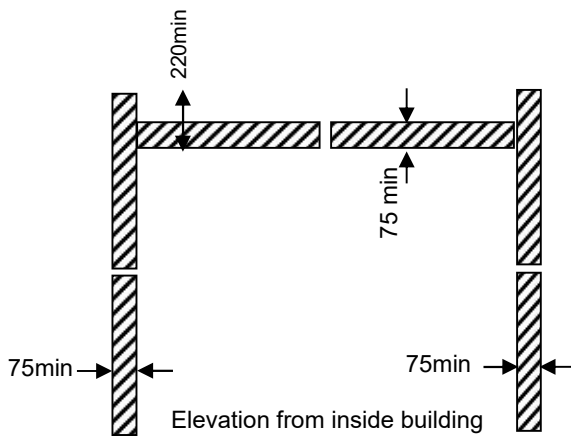




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LOW HEADROOM LIFT TRACK

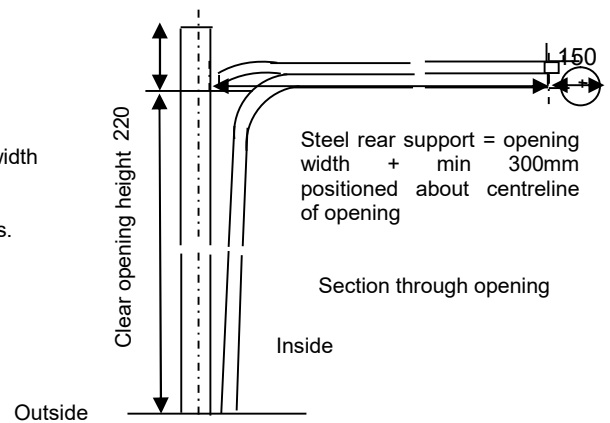
Opening height + 800mm (to back of track)



NOTE:

Maximum opening width
4500mm

Maximum area 16 sq mtrs.
(low headroom only)



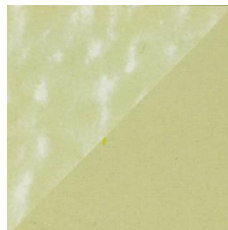
INSULATED DOOR PANEL
COLOURS & FINISHES



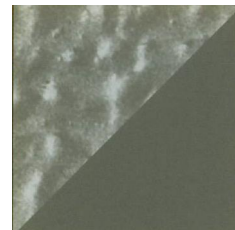
BONE WHITE
RAL9002



WHITE
RAL9010



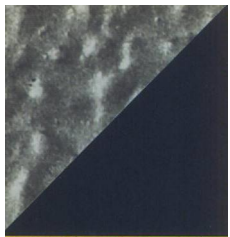
MAGNOLIA
RAL1015



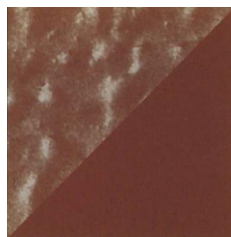
MERLIN GREY
BS18B25



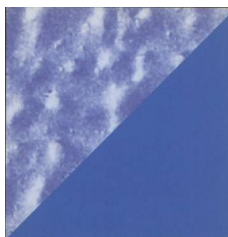
GOOSEWING GREY
BS10A05



PACIFIC BLUE
RAL5003



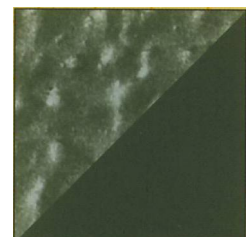
VAN DYKE BROWN
BS08B29



REGATTA BLUE
BS18E53



ALBATROSS
BS18B17



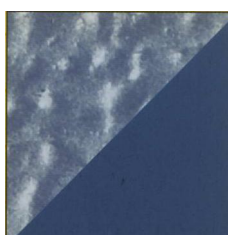
OLIVE GREEN
BS12B27



AZTEC YELLOW
BS10E55



SUNSET RED
RAL3000



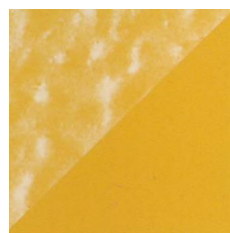
GENTIAN BLUE
RAL5010



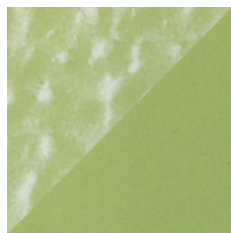
SILVER
RAL9006



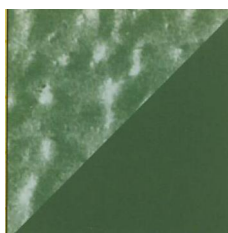
MOSS GREEN
RAL6005



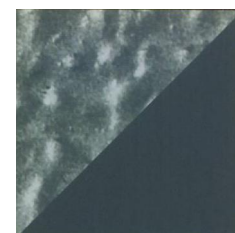
BAMBOO
BS08C35



MOORLAND GREEN
BS12B21



FOREST GREEN
RAL6002



OCEAN BLUE
BS18C39

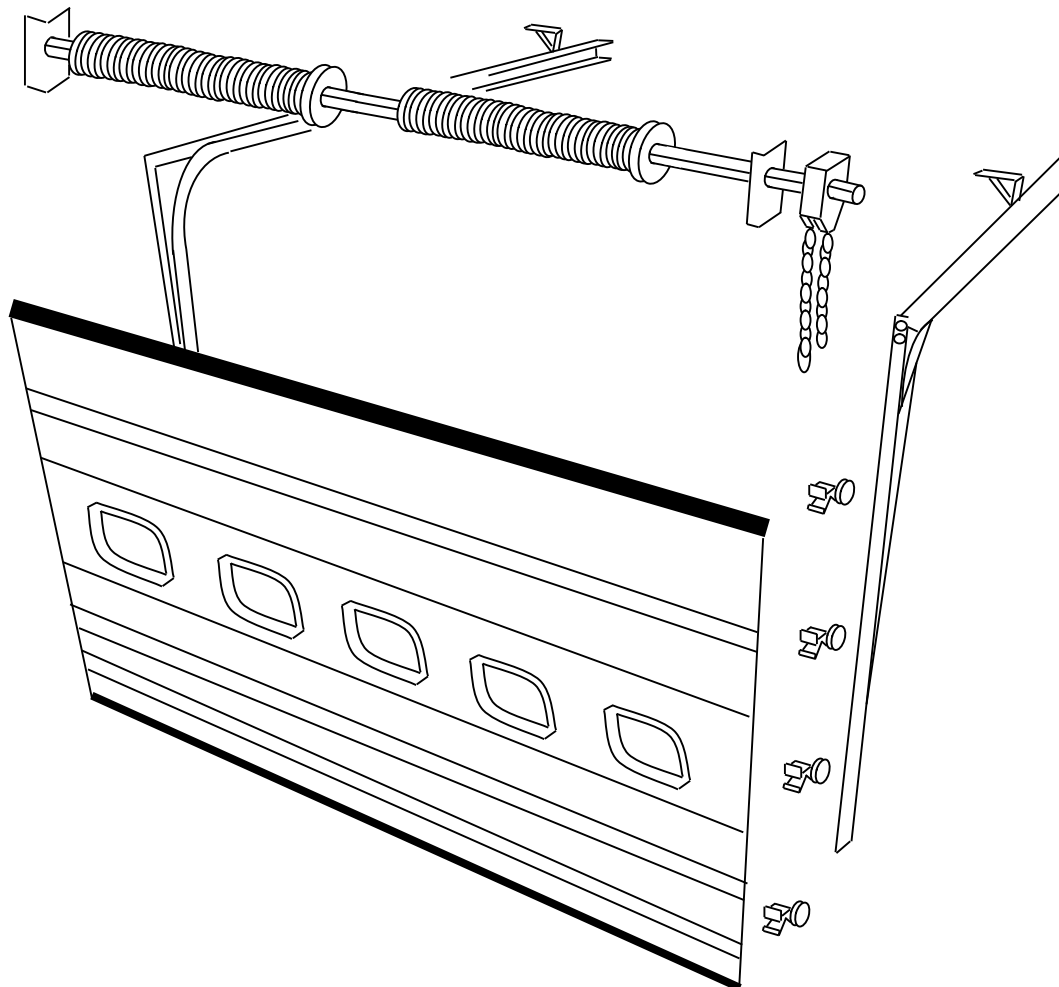


POPPY RED
BS04E53



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Please note: the colours illustrated are intended as a guide only. Reference should be made to an appropriate RAL or BS chart prior to ordering. Other RAL or BS colours are available. Please ask for details.





SECTIONAL OVERHEAD DOORS

This Technical & Specification Guide shows full details of our Sectional Overhead Doors and has been designed to ensure that correct information is obtained prior to installation, and the product chosen is suitable for the application.

Arrow Security Shutters Limited is one of the leading shutter door companies in the UK. We specialise in all types of shutters, namely: shop-front shutters; retractable security gates; removable window bars; bar & cabinet shutters; remote roller garage doors; industrial roller shutter doors; domestic security shutters; personnel steel doors, fire exit doors, fire rated shutters, sectional over head doors, expandable trackless barriers, window bars, mesh grilles and pvc strip curtains.

All our doors, gates and products are fully compliant to BS EN 1324 1-1 (industrial, commercial, Garage Doors and Gates: - Product Standard) and CE marked against the Construction Products Directive and also the Machinery Directive, a Mandatory requirement in the UK.

Should you require any further information please visit our web site, or alternatively telephone 0800 633 5736