

DENNISON DOORS Limited

automatic doors

- sliding doors
- revolving doors
- swing doors
- air curtains
- 'operator only' systems

security grilles

- bar grilles
- window grilles
- window bars
- commercial property
- domestic property

pvc doors

- rapid roll doors
- high-speed doors
- pvc strip curtains
- grp doors
- polycarbonate doors

shutters

- roller shutters
- sliding shutters
- sectional doors
- concertina doors
- fire rated shutters

barriers and gates

- swing gates
- sliding gates
- barriers
- automatic bollards
- parking systems

security cage

- modular solutions
- steel mesh storage
- multiple locking options
- perimeter protection
- steel panel options

steel doors

- security doors
- vandal resistant doors
- fire exit doors
- sub-station doors
- certified doors

access control

- code locks
- card readers
- door intercom
- cards and tags
- system integration

services

- planned maintenance
- service contracts
- 24*7*365 call-out
- rapid response times
- BS7036 compliant



Protecting properties
since 1982



Dennison • Services



Sectional Overhead Doors



Door Panels

Kingspan 610mm x 40mm thick composite panels manufactured using 0.45mm outer/ 0.4mm liner - continuously hot dip, zinc-coated structural steel with internally mounted steel bands to accept self tapping fixings. Insulated with Kingspans unique Isophenic (IPN) core - (Which provides optimum fire performance as standard), giving an optimum panel u value of 0.51 W/m² K- meaning a typical size door of 4000mm wide x 3500 high give a "U" value of 0.9 W/m² K - Better U values achievable by using 80mm Kingspan Composite panels on request

Panel Design - Incorporates a standard V-grooved pattern to both internal and external faces
Panel Finishes External - 25 Micron, Stucco Embossed, Thermosetting Polyester Paint or Kingspan XL Forte - 200 micron, Leathergrain embossed thremoplastic paint with excellent abrasion resistance

Panel Finish Internal - 25 Micron, Stucco Embossed , Thermosetting Polyester Paint in RAL Bright White RAL 9010

Standard External Colours

Polyester Range - Ivory RAL1015, Sunset Red RAL 3000, Gentian Blue RAL 5010, Silver RAL 9006+, Anthracite RAL 7016+, Fir Green RAL 6009, Grey Aluminium RAL 9007+, Bone White RAL 9002, White RAL 9010.

Plastisol Range - Goosewing Grey BS 10A05, Merlin Grey BS 18B25, Gull Grey BS 18B17, Azure Blue BS 18C39, Olive Green BS 12B27, Khaki Green BS 12B21, Van Dyke Brown BS08B29, Sapphire Blue RAL 5003, Leaf Green RAL 6002, Flame Red BS 04E53, Cornflower Blue BS 18E53, Sunflower Yellow BS10E55, Juniper Green BS 12B29 (500mm Deep only)

Paint Finish - Bespoke colours available on request subject to a RAL / BS code being supplied.

Operation - A range of manual and automatic operations are available (GFA Operators which include emergency chain override in the event of a power failure), including a large number of safety features as options

Other options - Many additional extras are available - Including Double Glazed Windows/ Integral Personnel Doors

For all technical drawings visit www.indupart.co.uk

Door Head Gear

Sectional doors are counterbalanced to ensure the smooth running of doors. All counterbalance spring calculations carried out by Indupart are designed to get the maximum life out of the door springs we manufacture (most typical loading docks are calculated to a minimum of 20,000 cycles). The springs are high tensile helical wound steel. Shot blasted for improved performance. The springs are mounted on a steel shaft supported by bearing brackets incorporating sealed bearing rollers, to ensure free running of the shaft. Also mounted on the spring shaft are the cable drums. These carry the aircraft quality cables, which have 7:1 safety factor. These are looped and swaged using a hydraulic press to ensure the cables do not get detached from the cable drums or the brackets which connect the cables to the bottom of the door panels. Spring break devices and cable breaks are fitted to doors as standard to comply with CE markings.

Panel Options

Kingspan Plastisol XL200 or polyester coating to the external face an extensive range of colours. Internal RAL 9010. Factory paint finish to either internal or external face to any BS or RAL colour.

Panel Hardware

The roller carriers are adjustable and along with the intermediate panel hinges, are hot dipped galvanized steel. The rollers which run in the side track are sealed for life, self-lubricating bearings c/w a nylon tyre to give smooth and quiet operation.

Technical Specifications

Guide Tracks

The door tracks are galvanized steel 'J' type (designed to give free and easy running for bearing rollers). These are mounted on a galvanized steel jamb angle for fixing purposes via Dennison's unique spot welding system which ensures the most effective seal to the building as the tracks need no adjustment on site. Cable beak devices are fitted to all doors to comply with CE markings, we also offer a optional anti lift bracket.

Guide Track Options

Guide tracks are individually manufactured to suit site conditions, taking into consideration door size, headroom and roof pitch, see 'installation clearance's' section for details.

Seals

All Indupart sectional doors are fully perimeter sealed, as well as the intermediate panel seals, to provide the most effective weather seal to your door. All fixing faces, floors and lintels must be flush and square.

Operation

Dennison Doors offer a range of manual / automatic operations, including a large number of safety features as options. We also offer cheaper alternatives.

Other Options

As you would expect, Indupart offer a wide range of optional extras, including but not limited to, double-glazed windows, integral personnel doors in main door and door safety furniture.

Guide Track Options - Varying tracks options available to suit site conditions

Dennison Doors double skinned insulated sectional level access doors. Insulated overhead sectional door system designed for industrial applications.

Performance

Doors to comply with BS EN 13241-1:2003 + A1 : 2011 Mechanical Aspects – PASS (BS EN 12604) Requirements for safety in use of power operated doors – PASS (BS EN 12453)

With 3rd Party Certification by recognized testing authority.

Wind Pressure

CLASS 3 (BS EN 12424) – Doors to achieve higher wind load classes are available on request

Manual Opening Force – PASS

Water Penetration – CLASS 3 (BS EN 12425)

Air Permeability – CLASS 2 (BS EN 12426) offering an air tightness of 12m³/m²h at a pressure of 50Pa

CE Marked with Manufacturers declaration of conformity

Arrangement

Size - TBC

Door Head Gear - Shot-Blasted (For Improved Performance), Powder Coated counterbalance springs, mounted on a galvanised Steel Shaft. Spring and Cable Break devices are fitted to each door as standard to comply with CE markings

Panel Hardware - Adjustable Roller carriers / Intermediate Panel Hinges are made from Hot Dipped Galvanised Steel - Stainless Steel versions are available on request

Seals - Epdm Perimeter Seals

Guide Tracks - Galvanised Steel "J" type design to give free and easy running for rollers - All tracks custom made to suit site application using Indupart's unique stud welding system



Kingspan Plastisol Colours

BS10A05 Goosewing Grey	BS18B25 Merlin Grey	BS18B17 Gull (Albatross) Grey	BS18C39 Azure (Ocean) Blue	BS12B27 Olive Green	BS08B29 Van Dyke Brown	RAL5003 Sapphire (Sargasso) Blue
BS12B29 Juniper Green 500mm only	RAL6002 Leaf (Heritage) Green	BS12B21 Khaki (Moorland) Green	BS04E53 Flame (Poppy) Red	BS18E53 Cornflower (Solent) Blue	BS10E55 Sunflower (Aztec) Yellow	

Kingspan Polyester Colours

RAL3000 Sunset Red	RAL5010 Gentian Blue	RAL6009 Fir Green	RAL7016plus Anthracite	RAL9006plus Silver	RAL9007plus Grey Aluminium	RAL1015 Ivory
RAL9002 Bone (Grey) White	RAL9010 White					