

## SECTIONAL INSULATED OVERHEAD DOORS



High lift track



Overhead-opening insulated doors providing a high standard of weather sealing. Choice of installations to suit internal space available.



Panoramic door

### Materials and manufacture

Galvanised steel stucco-embossed panels 610mm high, with galvanised press-formed steel end stiles. Aluminium panels available as an alternative. 40 or 45mm thick with polyurethane foam infill.

Extruded non-absorbent rubber seals are fitted at top, bottom and sides of the door. End stiles, track and all fittings are steel, galvanised or electro zinc-plated as standard; stainless steel is an option.

Guide track/wheel carriers adjustable to ensure a good weather seal.

Side spring lock fitted.

Balanced by torsion spring assembly so that even large doors can be easily operated manually. Standard spring life 20 000 cycles; heavy-duty springs available for special applications.

Optional springless door balance system, pioneered by **sara**, reduces maintenance.

### Options

Single or multiple double-glazed acrylic vision panels 664mm wide x 341mm high.

Pass door within main doors of opening width up to 4500mm. Fully-glazed panoramic doors for full vision and improved daylighting.

Additional security locks.



### Sizes

All sizes available on application.

### Appearance

Standard finish: soft white stoved polyester.

Alternatives: external face may be Colorcoat Plastisol, PVF2 or cellulose paint finish in any RAL colour to order.

### Thermal performance

40mm thick panels with U-value of 0.49W/m<sup>2</sup>K.

U-value of 40mm door panels calculated by the finite element method and allowing for panel-to-panel joints, is better than 0.7W/m<sup>2</sup>K, exceeding the requirement of Building Regulations Approved Document L2.

75 or 80mm thick panels with U-value of 0.2W/m<sup>2</sup>K available for cold stores or other applications requiring extra insulation.



Standard lift door

### Operation

Manual operation: up to 3m high normally by pull rope with lifting handle in the door; above 3m high by geared hand chain.

Powered operation: by 3-phase 415V 50/60Hz electric motor. Push-button control box with deadman feature (hold down to close).

Options include a range of control systems and automatic activators, prewired plug-in motor for faster installation, emergency opening.

### Safety features

Cable-break and spring-break safety devices are standard, to prevent uncontrolled door drop.

Optional pneumatic safety edge to bottom panel; stops and returns closing door if an obstruction is met and emergency low-level opening in case of power failure.

