

Delta Slide 1000 Sectional Insulated Overhead Door

Product Data Sheet
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Architectural Specification

Delta Slide 1000 Sectional Insulated Overhead Doors have steel panels in combinations of 750mm, 625mm and 610mm high, and are finished on the internal face with stucco embossed, white polyester coated 0.4mm galvanized steel. Externally the door is finished as standard with 0.5mm galvanized steel with either a HP200 (Plastisol), galvanized, or powder coating.

There are currently 11 standard colours available for the external face (see below). A variety of other finishes, including, PVF2, polyester enamel in other RAL colours and paint are available. Panels are nominally 40mm thick, rigid, with high-density polyurethane CFC free foam infill, to give a 'U' value of 0.43 w/m² °c.

Extruded rubber seals are fitted between the panels and also at the top, bottom and sides of the door. Hinged wheel carriers are fully adjustable to obtain the maximum protection from the elements and simplicity of operation. End stiles, tracks and all fittings are galvanized or electro-zinc plated. The door conforms to CE Standard and is marked accordingly.



Door Panels

The panel is a composite structure manufactured from internal and external skins of galvanized steel to provide extra strength and injected with high density polyurethane CFC free foam to provide a 'U' value of 0.45W/M² °C.

To ensure a thermal break is achieved, the internal and external faces do not come into contact therefore reducing cold/heat transfer through the door panels.

The ends of each panel are capped with strong galvanized steel end stiles. Approximate panel weight is 13.6Kg/M².

Door Seals

All door seals are manufactured from extruded, non-absorbent rubber designed to resist draughts, dust and water. The top door panel is fitted with an integral seal that eliminates the gap between the structural lintel and the door. The side seals fit between the faces of the end stiles and the guide jamb angles. The bottom of the door is sealed to the threshold with an extruded 'D' type rubber seal fitted with additional profile to provide three points of contact between the door and the threshold. The joints between each panel section are profiled to minimize the ingress of water or draught and also include compressible rubber seals.

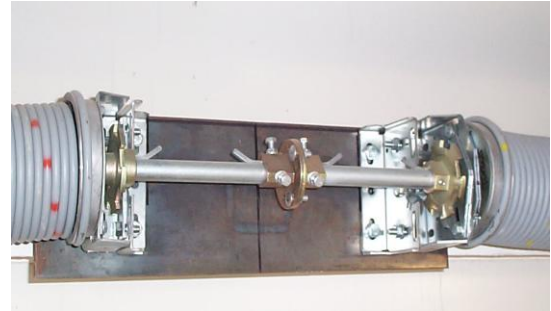
Guide Roller Carriers & Hinges

Roller carriers are fully adjustable and fitted to the ends of each panel and include nylon rollers, with sealed bearings, for a smooth, quiet operation. Intermediate hinges are fitted in line with the door width.



Track System

The track system design caters for every type of installation (subject to the clearance required for door and track). Standard types of tracks cover, low, high, vertical, standard lift and follow the roof options. All of the above standard fitting and clearance drawings are available on request to assist detailing. All track components are galvanized and electro-plated for good service life and aesthetics. The cable drum, tempered helicoil springs and cables are specifically designed to counter the weight and operation of the door.



Counterbalance Spring Assembly

The door has a counterbalanced spring assembly fixed on shafts that are attached to the structure by strong bearing plates. Each tempered helicoil spring is calculated to compensate the weight of the door panels to ensure the door functions correctly. The cable drum fixed at each end of the shafts carry the galvanized steel cables that lift the door.

Operation

Delta Slide 1000 is balanced by the torsion spring assemblies to ensure that large sized doors are easy to operate manually. Up to 3m high doors would usually be operated by pull rope with a lift handle in the door panel. Above 3m high the door will be opened by geared hand chain. Power operation, if required, is via an electric motor drive and control system.

A composite dock control interface panel is also available controlling our full range of products including traffic lights, dock lights, dock levellers (telescopic or hinge lip, truck latches, inflatable air seals with full interlock control and sequenced operation.



Vision Panels

Delta Slide doors can be supplied with vision panels and quantities are based on one window per metre of door width. The standard window is a double glazed unit complete with injection-moulded frame with rounded corners and butyl seal. Various sizes and types are available, also multi-vision panels or fully glazed panoramic.

Pass Doors

Pass doors can be provided in doors up to a width of 4.5mm wide. They have effective seals and security locks, and when the main door is motorised, an interlock to prevent operation of the main door when the pass door is open. All pass doors within overhead doors have a threshold step over strip, and are positioned centrally. As this could be a tripping hazard fire authorities may not accept this, as means of escape.

A separate pass door to the side of the main door may be a better design to meet this statutory requirement.

Pass doors are not recommended in low headroom doors.

Security

A spring lock is standard on all manual doors, usually secured by a padlock, which is supplied by others. As an extra, Yale locks are available for internal and external doors. Powered doors, required to be secured by shoot bolts do require an electrical interlock.

Warranty

The door is guaranteed for 12 months inclusive of parts and labour, subject to observance of the maintenance recommendations made by Enerco.

Colours: - subject to change, please check availability.

Polyester Enamel over a Stucco Embossed Finish, available in the following colours:

(Outside only, inside white polyester)

RAL9002 Bone White, RAL9010 White, RAL5010 Gentian Blue, RAL3000 Sunset Red

RAL 9006 Silver, RAL8014 Sepia Brown, RAL 8019 Grey Brown, RAL 7016 Anthracite, RAL 6009 Fire Green, RAL 6005 Moss Green, RAL 9007 Grey Aluminium.

HPS200 Plastisol Finish, available in the following standard colours:

(Outside only, inside white polyester)

10E55 Sunflower Yellow, 18E53 Cornflower Blue, 10A05 Goosewing Grey, 18C39 Azure Blue

08B29 Vandyke Brown, 18B25 Merlin Grey, 5003 Sapphire Blue, 12B27 Olive Green, 04E53 Flame Red, RAL 6002 Leaf Green, 12B21 Khaki Green

We reserve the right to change specification without prior notification or alteration of this product data sheet.