

Powerdoor® industrial doors

A condition for your logistical progress

The Ins & Outs of Logistics

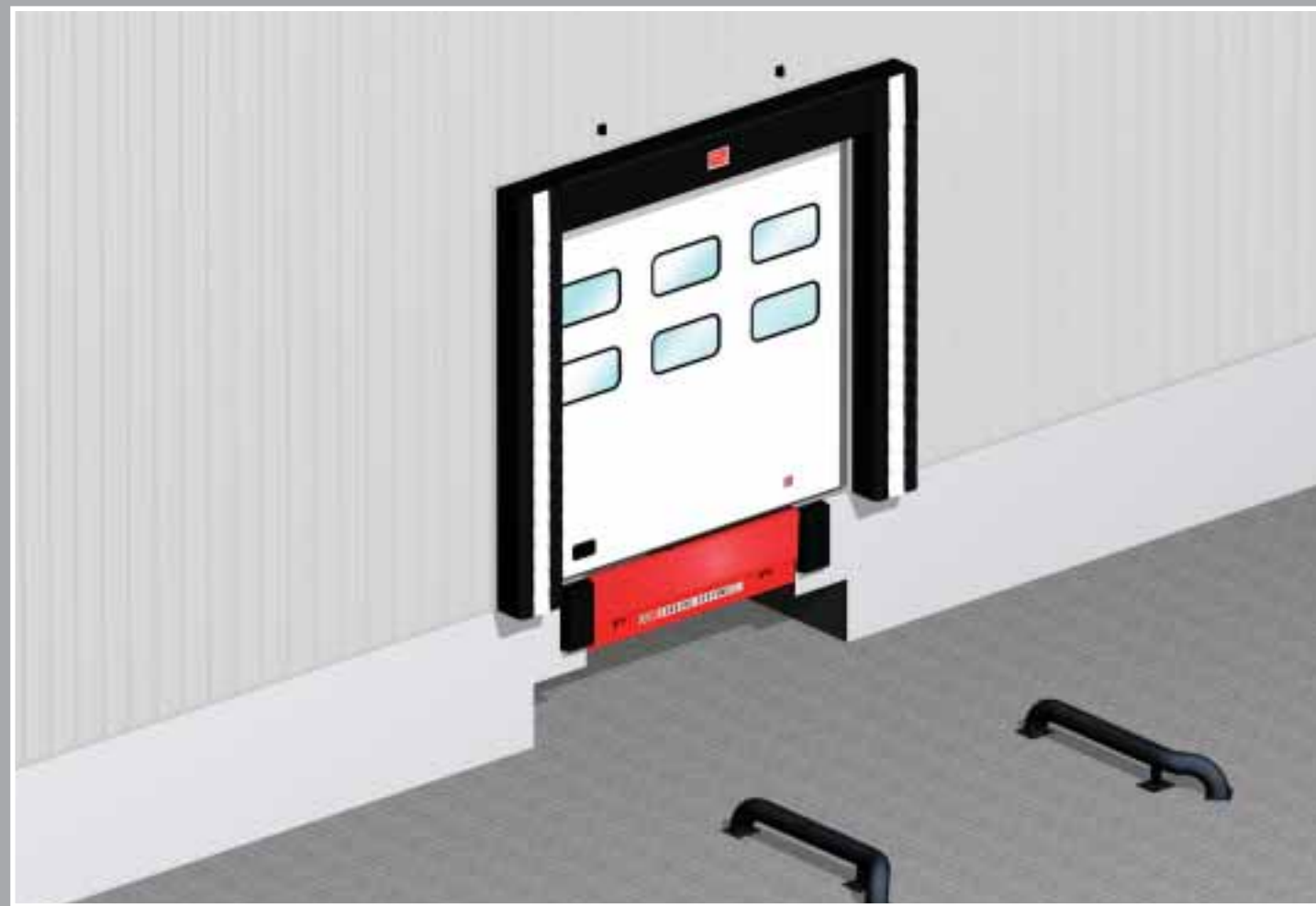
Loading Systems is an organisation operating within the transitional area between internal and external logistics. The organisation is focussed on activities to organise the flow of goods between the warehouse and the external world as effectively and as smoothly as possible, whilst taking all requirements regarding dimensions, weights, loads, type of fleet, climate, ergonomics and aesthetics etc. into consideration.

The products and systems are characterised by concepts such as quality, durability, safety, functionality, ease of operation, quick installation procedures, maintenance friendliness and far stretching service facilities. This unique combination of characteristics is based on decades of experience and a vast knowledge and expertise in the field of warehouse logistics and physical distribution.

As a result of this we have developed a range of products, which has been divided into seven different groups, being:

- Powerplate (loading plates)
- Powerramp (dock levellers)
- Powershelter (dock seals & shelters)
- Powerlock (vehicle restraint systems)
- Powerdoor (industrial doors)
- Powerlift (lift platforms)
- Accessories

All products and systems included in the above are directly involved with all activities concerning the loading and unloading activities of warehouses. Due to this complete product range Loading Systems is well known as a total solutions supplier.



Powerdoor 601

The Powerdoor 601 is an industrial sectional door, with a large range of track systems and operational possibilities.

- The high-quality (insulating) materials and finish of the Powerdoor 601 provide optimal isolation and durability. The Powerdoor 601 is fully insulated and prevents ingress of rain, draughts, sand and dirt.
- Due to small dimension, an ultimately cost-effective dock door is designed specifically for loading bays.
- The Powerdoor 601 can be delivered fully glazed, as the Full Vision Powerdoor. Particularly designed for use in areas where maximum incidence of light is desired.
- There is a large selection of designs, finishes, controls, built-in possibilities (lift track systems) and options available for the Powerdoor 601 which increase user-friendliness, and improve safety and integration with other systems on the loading bay.

Powerdoor 640

The Powerdoor 640 is a rolling speed door designed for intensive use. It is very suitable in situations where draught needs to be prevented but frequent coming and going of vehicles requires the use of a rapidly opening and closing door.

- The Powerdoor 640 has a self-supporting frame and covering, which is easy to mount and protects the motor, safety and all mechanical and electrical parts.
- The use of a reliable modular counterweight balancing system with sturdy traction belts results in a minimum motor working load and easy opening in case of an emergency.
- The Powerdoor 640 is provided with a safety edge for immediate reversal of the door movement. An anti-crash system is fitted along the edge which, through special skids with preset breaking load, prevent the risk of damage to the door and safety edge in case of accidental impact.
- The modular panels of the Powerdoor 640 permit to vary door make-up as required and to easily replace worn or damaged panels. The full width vision panel ensures safer traffic and allow for a high incidence of light.
- The space saving dimensions of the Powerdoor 640 facilitate installation even in restricted areas.

Powerdoor 650

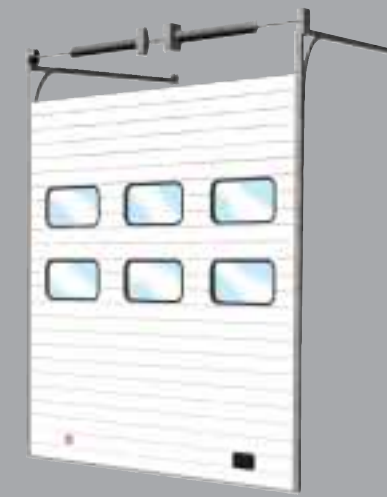
The Powerdoor 650 is a folding speed door designed for medium and large outside applications. It effectively operates in any situation, even with heavy wind loads.

- The sturdy, self-supporting frame makes the Powerdoor 650 easy to mount. The covering on the uprights and crossbeam protect the motor, safety and all mechanical and electrical parts.
- The Powerdoor 650 is provided with a reliable modular counterweight balancing system with sturdy traction belts resulting in a minimum motor working load and easy opening in case of an emergency.
- The door has a safety edge and photocells in the uprights for immediate reversal of the door movement.
- The full width vision panels of the Powerdoor 650 ensure safer traffic and allow for a high incidence of light.
- To comply with all wind-resistance requirements the curtains of the Powerdoor 650 are available in strengthened versions.

Powerdoor 680

The Powerdoor 680 is a transparent strip curtain, suitable to use as a draught resistant curtain between intermediate areas or outer doors.

- The suspension system of the Powerdoor 680 is fully hinged by means of swinging brackets, the flexible strips will close automatically after being passed through.
- The material of the curtain has a high rupture and tensile strength as well as a high sound-insulating performance and temperature resistance.
- All steel work is galvanised and of a robust workmanship. As such a long life span of the strip curtain is ensured.
- Special cold air resistant models for the use in cold-storage or refrigeration rooms are also available.



The extensive standard Loading Systems Powerdoor range can be provided with multiple options and accessories, all in accordance with the clients' specific demands.

A selection of options, randomly selected:

Option 1:

Glazing:

Windows/ Full Vision.

Powerdoor 601, 640 and 650

Option 2:

Colour of your own choice.

Powerdoor 601, 640 and 650

Option 3:

Passage or wicket door.

Powerdoor 601

Option 4:

(Safety) Prints or numerals on the door or curtain.

Powerdoor 601, 640, 650 and 680

Option 5:

Passage safety device:

Pneumatic or photocells.

Powerdoor 601, 640 and 650

Option 6:

Electrical operation.

Powerdoor 601

Option 7:

Operational possibilities:

Pull switch/ remote/ induction loop/ photocell/ radar.

Powerdoor 601, 640 and 650

Option 8:

Stainless-steel version.

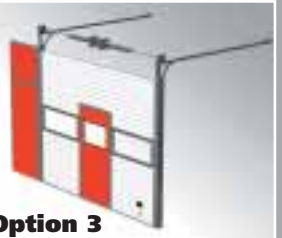
Powerdoor 601, 640, 650 and 680



Option 1



Option 2



Option 3



Option 4



Option 5



Option 6



Option 7



Option 8

General characteristics and advantages

The Powerdoor range offers various different solutions to create a closing between intermediate areas. Depending on the type of closing needed and the expected logistical movements the best solution can always be selected.

Industrial Sectional Doors

The Powerdoor sectional doors glide up under the roof when opened, allowing free space around the door opening and leaving the door opening completely free. The Powerdoor industrial sectional doors can be installed in any type of area, due to its large range of track systems and operational possibilities. It grants for superb thermal and sound insulation, functionality and practical ease of operation.



Speed Doors

An automatic speed rolling or folding door is often the ideal solution in situations where draught needs to be prevented but where there is a frequent coming and going of vehicles. The Powerdoor speed doors provide an optimal closing without being an obstacle in the logistical process.

Strip Curtains

Powerdoor strip curtains provide the ideal flexible entrance. Cold air inlet and heat flows will be limited and fast, safe transportation within the areas is feasible by means of a minor investment.

This brochure includes a summary of the major characteristics and the advantages of the complete Powerdoor range as well as a detailed listing of the main characteristics of each individual model:



Durability and maintenance

- The high quality materials and finishing of the Powerdoor range guarantee durability, optimal insulation and low maintenance.

Quality and safety

- The Powerdoor range complies with all relevant European safety standards and if applicable has a CE-marking, a guarantee for quality and safety. This means that the standard provision of these doors includes many in the field of safety. In short, a door in the Powerdoor range is safeguarded as such that dangerous situations, which could lead to personal injury or damage to the door, are prevented.
- In order to prevent corrosion most parts of the Powerdoor range are fully galvanised as a standard, or if possible, are provided with corrosion free materials such as aluminium.

Functionality and ease of operation

- Smart balancing systems, designed specifically for each door type and situation, ensure a perfect balance of a door. The opening and closing of a door does not require extra effort, irrespective of the applied operational method.
- The flexible strips of the strip curtains close automatically after passing through, combining practicality with insulation.
- The electrically operated Powerdoors have an emergency operational system as a standard; as a result, the door will open and close even if a power failure occurs.
- Due to the modular construction of the electrical operation systems, they are easily extended with a wide variety of control functions.
- The Powerdoors can be supplied and installed separately, but also in combination with other Loading System products and systems, it can be an integral part of a total solution, as the perfect link between internal and external logistics.

Custom-made solutions

- Each situation is different therefore we have a wide variety of finishes, operational systems, installation possibilities and options. As such it is possible to create solutions, which meets the requirements on site, and where optimum user-friendliness and safety are 'the' top priorities. Furthermore, integration into other products or systems to the loading bays as well as the architectural aspects of the building can be taken into account.



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 **LOADING SYSTEMS**

Technical specifications are subject to change



Powerdoor®
Industrial doors



Powerplate



Powerramp



Powershelter



Powerlock



Powerdoor



Powerlift



Accessories

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