

Ecolid[®]

FOLDING DOOR



A quality Swedish door from Tråvad



In a highly automated and state-of-the-art facility, situated in the middle of the Swedish province of Västergötland, we produce more than 11,500 high-quality industrial doors every year, making us one of Europe's largest folding door manufacturers.

Thanks to our 45 years of experience, we can offer you an industrial door solution that not only provides a high level of functionality, but also contributes to an attractive and well-considered environment throughout your premises. Our highly automated production facilities, combined with our focus on efficiency and quality, means that we can offer competitively priced doors that will ensure low costs for our customers far into the future.

Our long experience has taught us that development and manufacturing must go hand in hand. To maintain full control, we strive to do everything in our own factory.

By listening to the needs of clients and users, we have learnt that no single product suits everyone, and that the design has great significance for the whole. The doors must be custom-built according to the opening, and they must be simple to install and maintain.

Quality pays off. That's why our products come with a 7-year warranty as standard, and have the fewest maintenance requirements on the market. It costs to maintain high quality, while the right sales price is also important. Automated production and organizational efficiency are therefore our highest priorities.

It is not only the product that constitutes the whole, all the encompassing services are often just as important. Let our Technical Support department assist you while our installation team ensures that your Prido door is installed the way you expect it to be.

Short delivery times and high delivery reliability are our defining characteristics – get in touch with us to see what we can offer you.





Why you should buy the Ecolid door

- Sweden's best-selling folding door
- Developed and manufactured in Sweden
- Endurance tested for 1 million opening cycles
- Low maintenance costs
- Highest-quality design and finish
- Approx. 40% higher U-value than frame-built folding doors
- Air tightness rating 4, air leakage 1.8 m³/m² h in accordance with EN12426
- Quick and easy to fit and remove
- Requires minimal space to the side and overhead
- Robust and easy-to-move automatic mounting brackets
- Highly effective rust protection
- The design eliminates the risk of crushing
- An eco-friendlier option
- CE-certified according to European standard on doors EN13241
- Completely made to order in many different designs
- Short delivery times and high delivery reliability
- 7-year warranty





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Maintenance costs

Are industrial doors expensive to own?

A folding door, particularly Ecolid, is the obvious choice if you want to avoid high costs.

Many of the components which contribute to high maintenance costs in other door types are not needed in a folding door. We are referring primarily to torsion springs, wires and side guide rollers.

The folding door's sideways movement means that the number of collision injuries with collapsed bottom sections and very expensive repairs almost disappear. Our 45 years of experience shows that collisions reduce by approx. 75% if you choose a folding door instead of a vertical sliding door.

The Ecolid door is optimised to require a minimum level of service. During normal use, we prescribe an 18-month interval between each service on motor operated doors. The service that will be performed is very simple; in principle it involves checking screws and bolted connections.

This is a small job that can be managed without the need of specialised door technicians.

The function of the door's anti-crushing protective strips, photocells and load monitor should also be checked annually.

These actions are also simple and can be performed without professional assistance.

Should any part need to be replaced, you can buy it directly from us as manufacturer without intermediaries at the lowest price.





ECOLID – manual



ECOLID with PriDrive motor



OVERHEAD DOOR - motor operated

		
<p>Service and call out cost every 36 months: SEK 1,155 each time, 3 times/10 years Total cost = SEK 3,465</p>	<p>Service and call out cost every 18 months: SEK 1,155 each time, 6 times/10 years Total cost = SEK 6,930</p>	<p>Service and call out cost every 12 months: SEK 1,155 each time, 10 times/10 years Total cost = SEK 11,550</p>
<p>Inspection by inspection body: SEK 0 each time, Total cost = SEK 0</p>	<p>Inspection by inspection body: SEK 1,000 each time, 5 times/10 years Total cost = SEK 5,000</p>	<p>Inspection by inspection body: SEK 1,000 each time, 5 times/10 years Total cost = SEK 5,000</p>
<p>Replacing Teflon bushings and sealing strips: Normally replaced once every 10 years Material SEK 398, labour SEK 1,800 Total cost = SEK 2,198</p>	<p>Replacing Teflon bushings and sealing strips: Normally replaced once every 10 years Material SEK 398, labour SEK 1,800 Total cost = SEK 2,198</p>	<p>Replacing torsion springs: Normally replaced after 25,000 openings Material SEK 10,400, labour SEK 3,600 Total cost = SEK 14,000</p>
<p>The best choice!</p>	<p>The best choice!</p>	<p>Replacing wires, side rolls and side seal: Normally replaced after 50,000 openings Material SEK 1,520, labour SEK 1,800 Total cost = SEK 3,320</p>
Total cost 10 years = SEK 5,663	Total cost 10 years = SEK 14,128	Total cost 10 years = SEK 33,870

Prerequisites: Doors 4x4 m, 20 openings per day, 250 days/year, hourly rate SEK 600, distance to service firm 30 km, SEK 850/km, 10 year usage. It is assumed that inspections by inspection bodies are performed in connection with other inspection in the same operating site. Ecolid's material costs according to Prido AB's spare parts price list. The overhead door's spare parts prices are according to information from an established service firm.

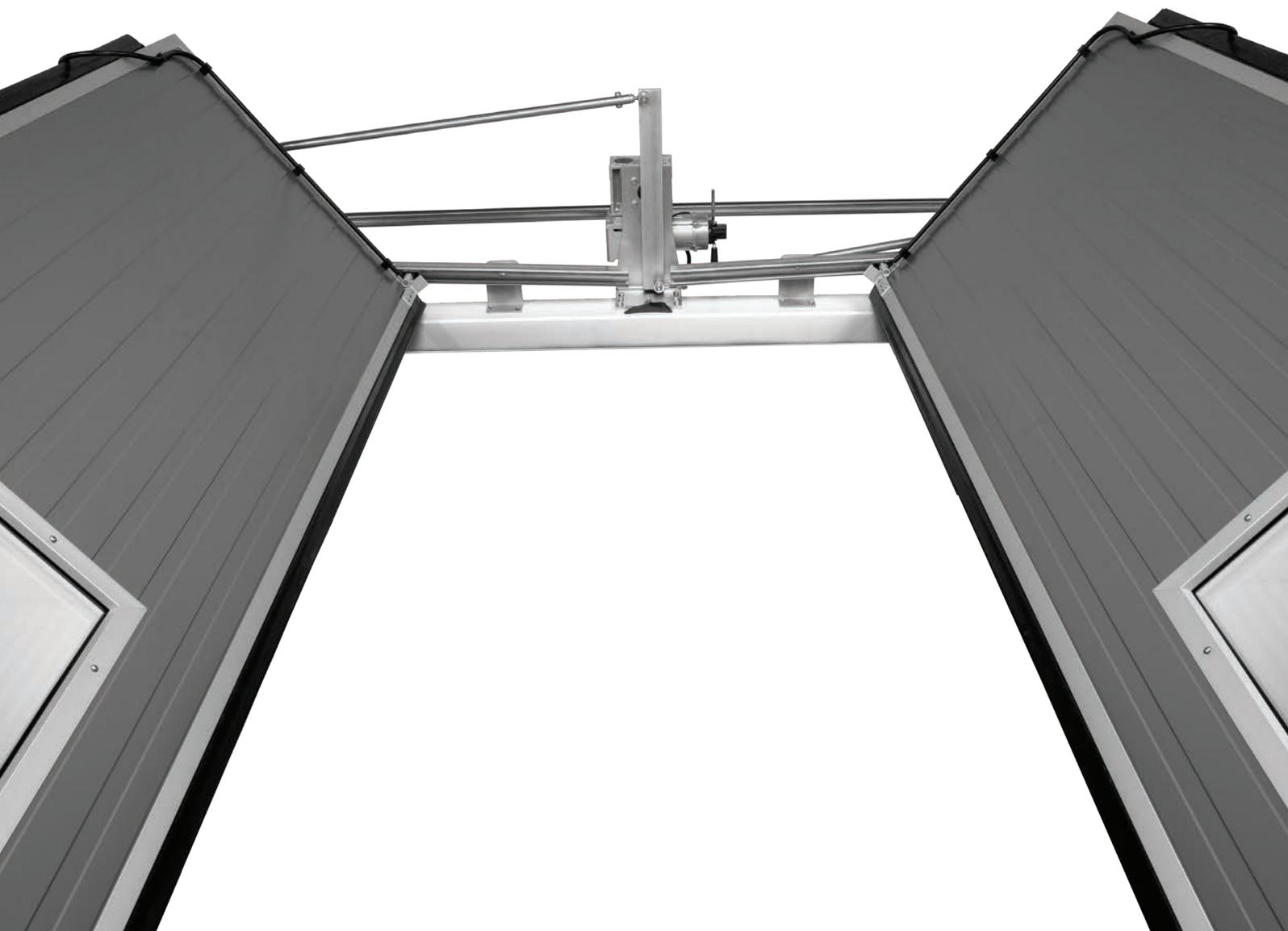
Motor operation PriDrive

Will you open your door more than 10 times a day? Make a smart investment and install motor operation for your folding door. The investment will pay for itself, through reduced heat loss, higher productivity, a better working environment for users and truck drivers, and an extended service life for the door, with only a few openings per day.

“The future is here, be a part of the evolution with the PriDrive solution”

Motor operated industrial doors have been around for a while but our new PriDrive solution gives you as a door owner radically improved conditions.

Motor operated industrial doors that used to be either an expensive investment or involved costly ownership are now the obvious industrial door option. **PriDrive** is based on our well-known Ecolid folding door, Sweden's top-selling industrial door, but it is equipped with our brand new proprietary door motors and controls. Our normal motto that the products should be cost efficient both to buy and to own combined with simple installation and use has also permeated the development of PriDrive.



Why you should buy PriDrive:

- A substantially lower investment cost compared to other motorized folding doors on the market
- Probably the market's lowest maintenance requirements and maintenance costs
- 18 months between servicing (12 months at more than 50 openings per day)
- 50% faster opening, approx. 11 seconds (approx. 20 seconds for a 4 meter high ceiling track door in standard version)
- Significantly reduced risk of collision due to the horizontal movement
- Easy installation and door surrounds, minimal impact on other installations above the door opening and on the ceiling
- Modern control unit with simple installation, commissioning, programming and user interface
- High reliability with few wear parts and few moving parts
- Developed and manufactured in Sweden
- 7-year warranty on doors and mechanical components
- 2-year warranty on electronics



PriDrive: Control cabinet and control and regulation options

- Easy connection – the motor cable and power cable are factory-connected to the control cabinet and connect to the motor via a plug-in connector and via CEE plug to the network.
- Installation does not require a licensed electrician.
- Other connections are made via the spring-loaded terminals directly on the PCB.
- The control cabinet is always supplied with 6 fitted and IP-rated cable grommets for various accessories.
- Commissioning is very simple thanks to the user-friendly interface, and usually only takes a few minutes.
- Commissioning and programming is all done via a push-and-turn button.
- Operating data and current program selections are shown to the user on a 3-panel LED display.
- The door's limit positions for open and closed are set completely digitally with just a few buttons.
- The control unit is equipped with an easily activated automatic close feature between 0 and 999 seconds as standard.
- The control unit has an alternating relay for connection to and communication with other devices in the building, such as alarms, locking systems, fans, loading ramps, and machines.
- It has an integrated cycle counter which can be accessed easily via a knob and the LED display, an invaluable feature for keeping servicing costs down.



Accessories



Pushbutton box



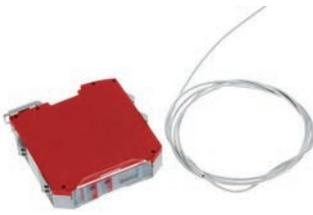
Emergency stop



Radio receiver



Remote controls



Ground loop via inductive loop detector



Wicket door switch



Code lock and card reader



Drawstring switch



Radar



Traffic light



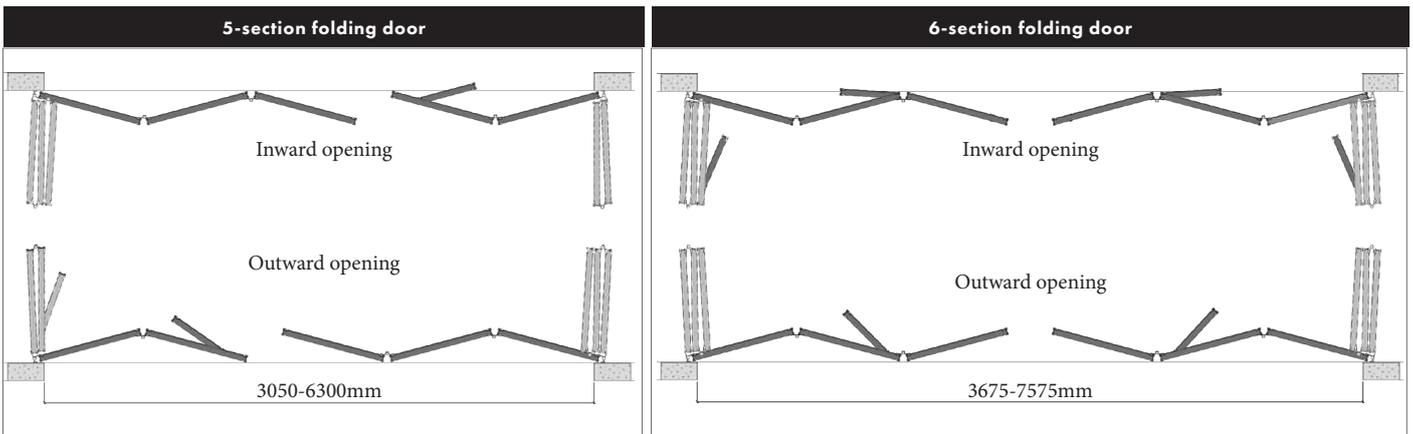
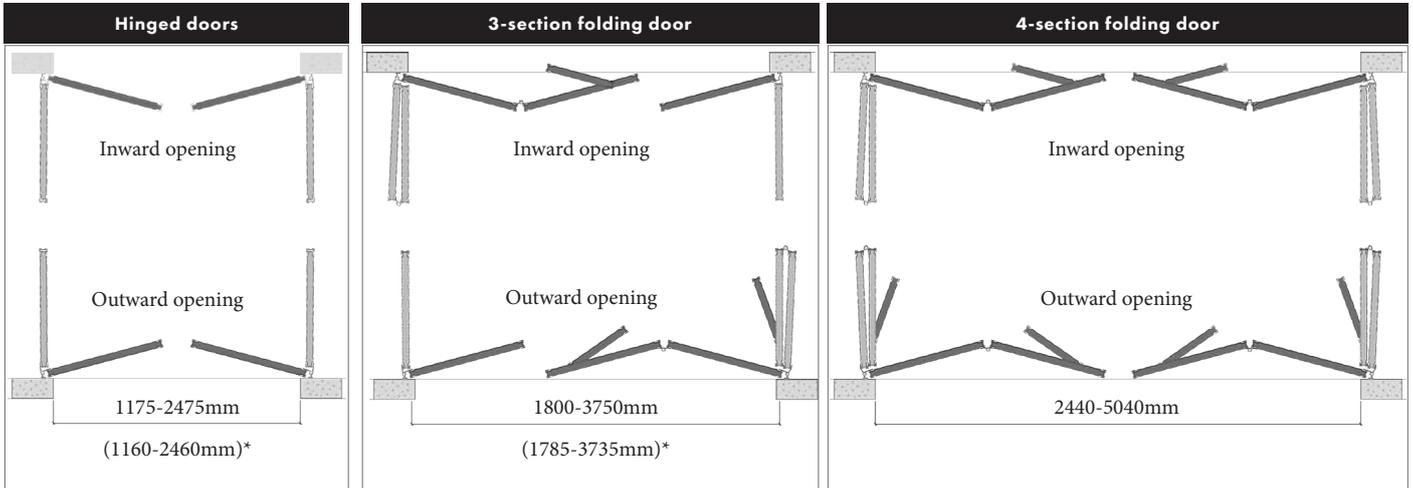
Key operated switch





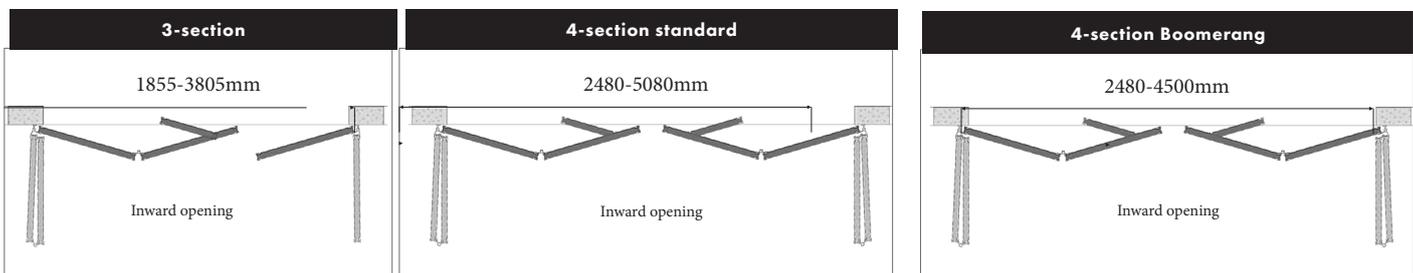
Project planning guide Ecolid

Opening options – Ecolid (manual)



* Dimensions in brackets apply for sections such as wicket doors.

Opening options – Ecolid (PriDrive)



Mounting dimensions – Ecolid (manual)

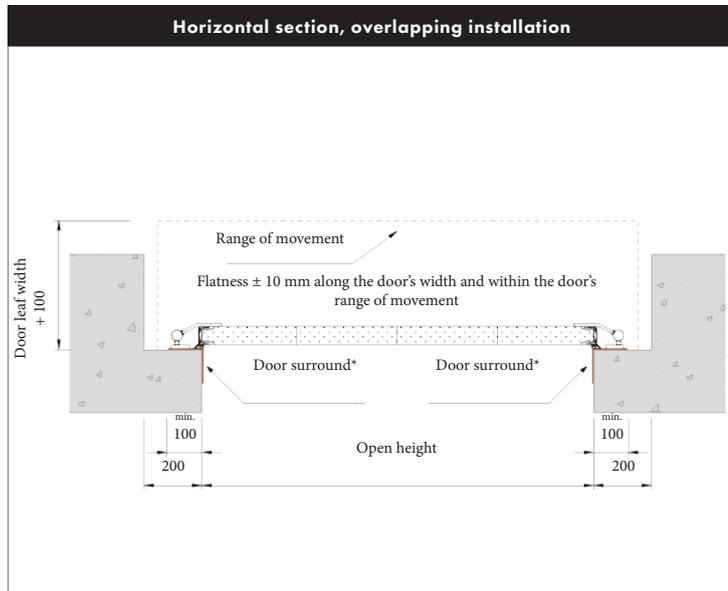
Mounting and connections in the door opening

Ecolid doors are manufactured with overlapping installation and sealing strip as a seal against the floor.

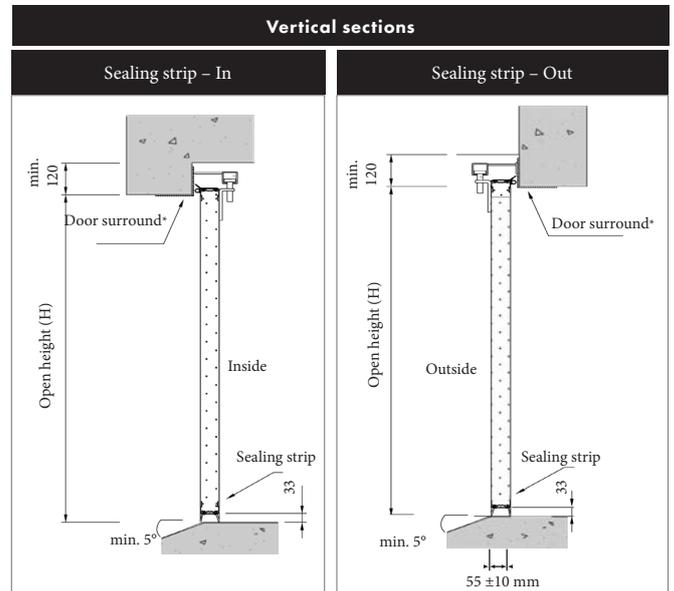
Max. height = 6,008 mm (4600)

With a component such as wicket door = 3,200 mm

(Dimensions in brackets refer to hinged doors.)



*Door surrounds not included as standard in door delivery.

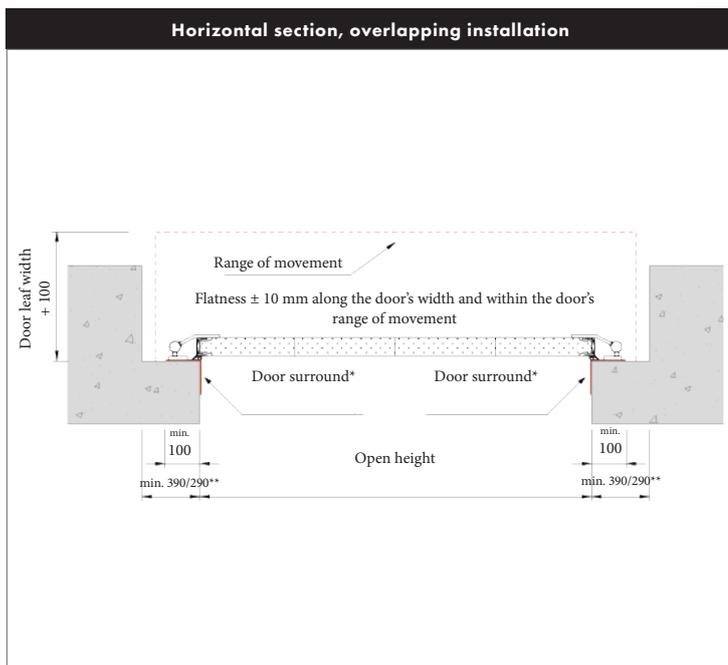


Mounting dimensions – Ecolid (PriDrive)

Mounting and connections in the door opening

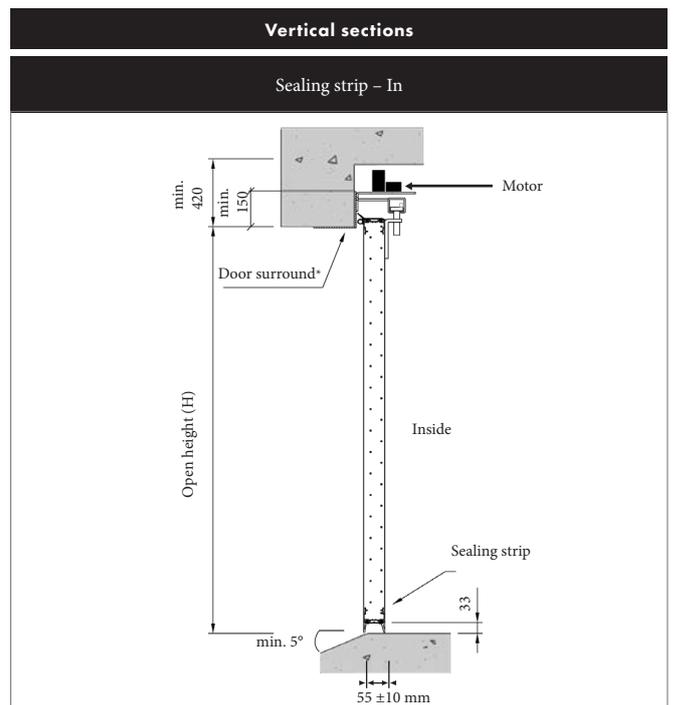
Ecolid doors are manufactured with overlapping installation and sealing strip as a seal against the floor.

	Standard	Boomerang
Max. width	5080 mm	4500
Max. height	4800 mm	4800
Max. surface	23,15 - 23,75mm	21,6 kvm



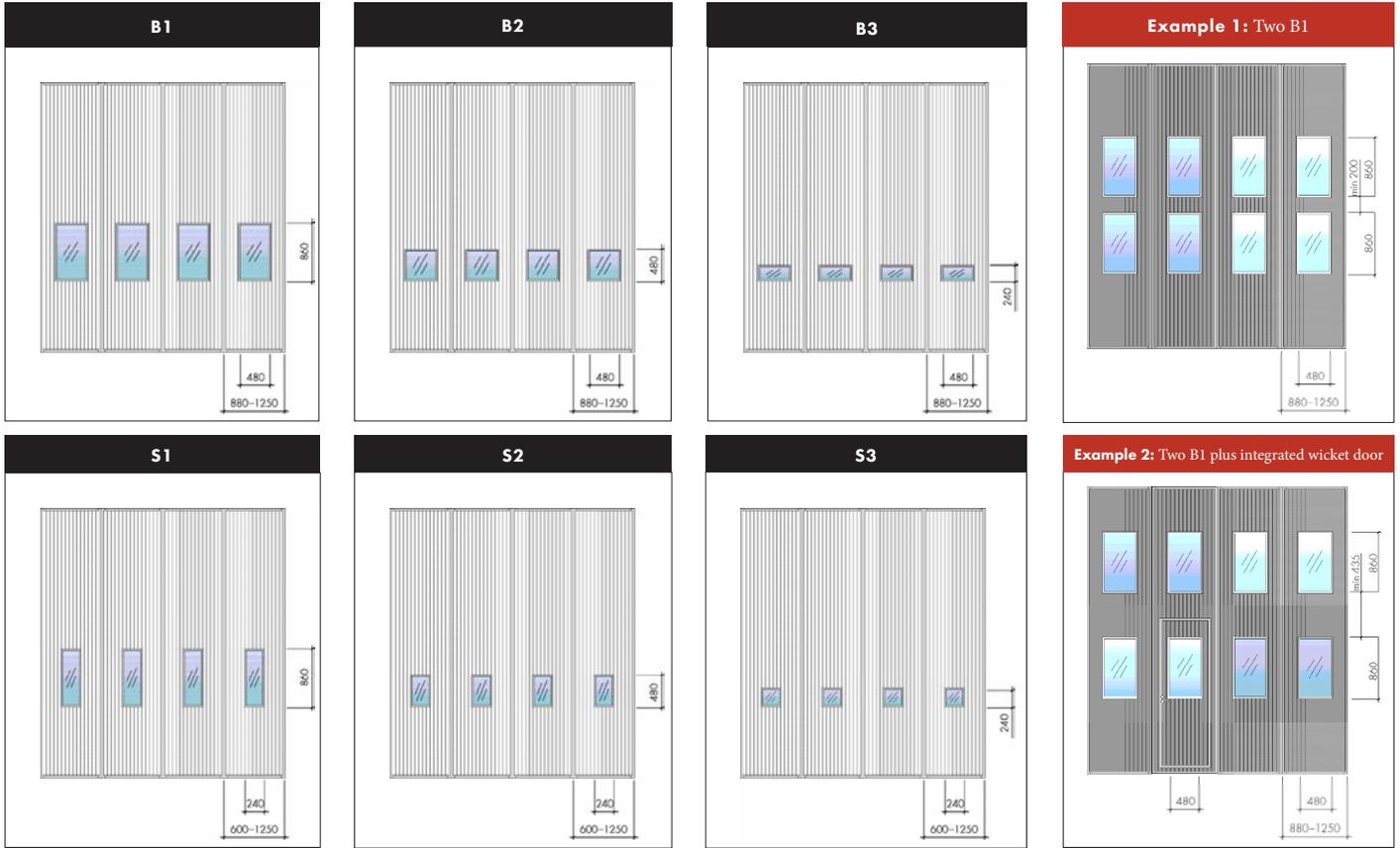
*Door surrounds not included as standard in door delivery.

**Vid Boomerang fittings

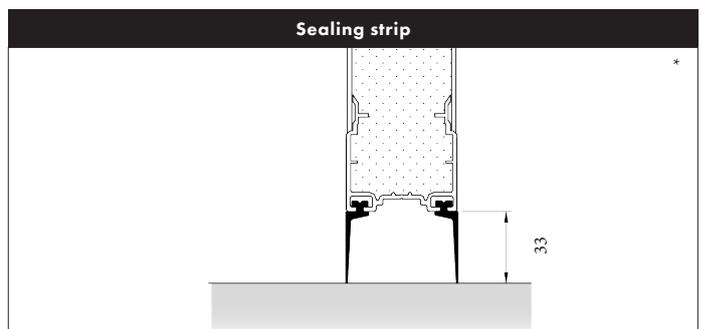
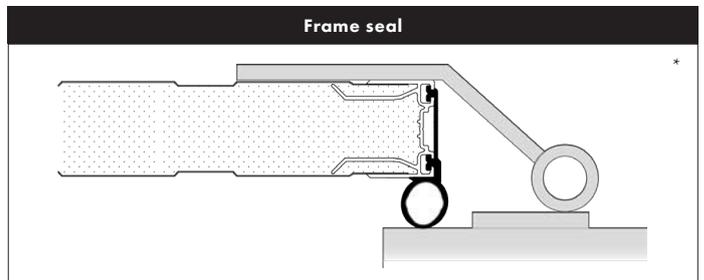
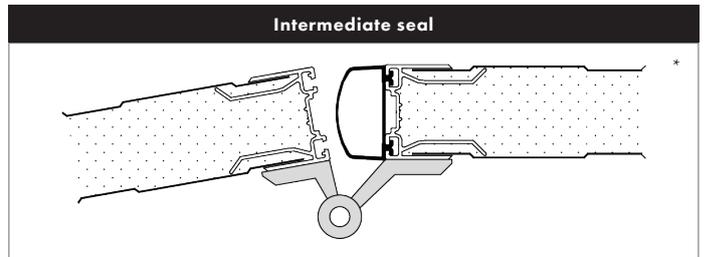
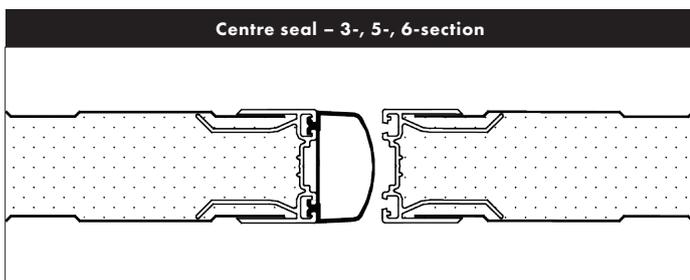
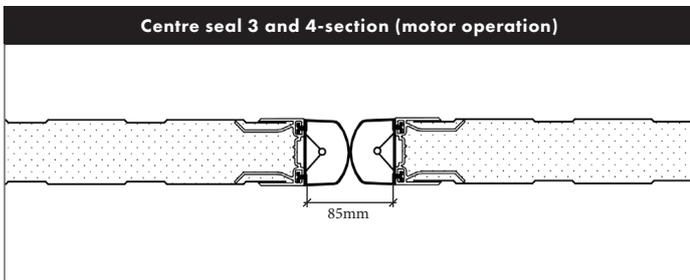
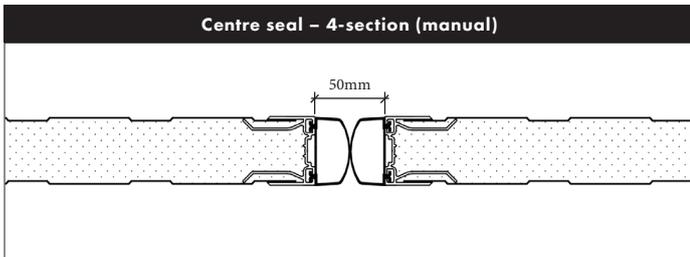


Window – Ecolid

The Ecolid door can be fitted with double-glazed argon gas-filled insulated windows. There are six different sizes in our standard range. Special dimensions are available on request. The position is optional, on the condition that they fit within the dimensions listed below. The maximum number of windows per door leaf is determined by the size. Standard breast height = 1,070 mm.



Seals – Ecolid



* Applies for both motor operated and manual doors



Ecolid framed hinged door

The Ecolid framed hinged door is based on Sweden's bestselling folding door of the same name. The hinged door is equipped with a torsionally rigid C-frame made of natural anodized profiles with thermal break and integrated tracks for EPDM rubber seals. The door is designed to be placed on exterior façades and is therefore equipped with interior mounting brackets which keep the door leaves in the open position.

- Entirely made to measure, max. outer frame dimensions 2,490 x 2,490 mm
- 11 standard colors
- Supplied with frame screws and adjustment sockets fitted to the frame
- Easy and quick to assemble, the components screw together
- Bottom seal against floor
- Easy to use automatic mounting brackets for 90° opening
- Highly effective rust protection
- Windows (optional extra) in 6 sizes with aluminum profile frames
- Window frames with thermal break
- Lock housing with hook bolt lock on the door leaf
- Powerful lever handle included as standard
- Garage bolt for padlocking the side leaves
- Low maintenance costs
- Long service intervals – 36 months
- The doors are developed and manufactured in Sweden
- CE-certified according to European standard on doors EN13241
- Endurance tested for 1 million openings according to EN13241
- 7-year warranty





Ecolid (manual) – technical facts

CE Marking

The doors are CE certified as per the Construction Products Regulation according to standard EN13241.

Insulation Value

U-value 1.34 W/(m²/K) for a fully-covered 5x5 m door or 1.47 W/(m²/K) with single-glazed B1, calculated as per EN12428.

Airtightness

Rating 4, 1.8 m³/m² h, as per EN12426.

Mechanical durability

Configured and tested for 1,000,000 opening cycles as per EN12605.

Water tightness

Rating 3 as per EN12425.

Wind load capacity

Rating 2, 3, 4 or 5 depending on size. Tested and rated according to EN12444 and EN12424.

Safety

Rubber moldings designed to eliminate the risk of crushing between door leaf and door leaf, and door leaf and wall. At least 3 load-bearing brackets per leaf to prevent falls.

Brackets mounted on the door leaves

Electrogalvanized steel or aluminum. On outward-opening doors, the steel fittings are also powder-coated.

Windows

Argon-filled D4-12 insulated-glass panes in six different standard sizes. Standard chest height approx. 1,070 mm. Seven-year warranty against condensation between glass panes. Window frames made from natural anodized aluminum profiles with thermal breaks.

Recessed pedestrian door

Can be provided for all variants.

Always outward opening Placement is contingent on the door, refer to Project Planning Guide A minimum door height of 2,800 mm is required to fit a pedestrian door. The pedestrian door aperture is contingent on the door leaf width and can be as small as 567 mm.

Min. door leaf width with recessed pedestrian door is 770 mm. Dorma Lock Housing DL 919-50.

Pull handle

Natural anodized aluminum handle.

Frame hinge

Multi-size adjustable steel hinges.

Electrogalvanized on inward opening doors and electrogalvanized and powder-coated on outward opening doors.

Lubrication-free Teflon bushings. Screw into door surround.

Lifting frame hinges (optional extra)

Raises the door during opening by 10 mm. Suitable for uneven floors. Good sealing in the closed position and a soft and smooth opening movement without unnecessary wear on the bottom seal.

Middle hinge

Natural anodized aluminum. Lubrication-free Teflon bushings.

Lock

Garage bolts for inner padlocking.

Cylinder locking on the inside and outside available as optional extra. Fits profile cylinder.

Door leaf

Process-laminated sandwich panels.

50 mm thickness. Max. size of individual door leaf 1,250 x 6,000 mm. Frame for fitting rubber seals, etc. Made of natural anodized aluminum profiles. Cast steel reinforcements as attachment points for hinges, controls, etc.

Insulation

50 mm freon-free polyurethane cellular plastic.

Door surrounds

Made of steel, concrete or wood. At least 6 mm steel on a single door leaf > 6 m². Otherwise at least 3 mm steel for inward opening and at least 4 mm for outward opening. 3 different screw kits depending on the type of door surround.

Stable package

Doors placed at a car wash or in a stable environment require a special component package, such as extra corrosion protection, for the warranty to be valid. Cannot be fitted later.

Guide rails and brackets

Made of steel, hot-dip galvanized and adjustable. Screw into door surround.

Seals

Made of age-resistant EPDM rubber.

Mounting bracket

Automatic locking in the open position on both inward and outward opening doors.

Siding

Inside and outside made of hot-dip galvanized sheet steel. Coated with 25 µm polyester paint.

7-year warranty

Refer to separate document detailing our warranty conditions.

Maintenance, service

Lowest service requirements on the market. Once/36 months for manual doors.

Ecolid (motor operated) – technical facts

CE Marking

All Ecolid doors are CE certified as per the Construction Products Regulation according to standard EN13241. Motorized doors are also CE-certified in accordance with the Machinery Directive, the Low Voltage Directive, and the EMC Directive.

Insulation Value

U-value 1.57 W/(m²/K) for a fully-covered 4x4 m door or 1.77 W/(m²/K) with single-glazed B1, calculated as per EN12428.

Airtightness

Rating 4, 1.8 m³/m² h, as per EN12426.

Mechanical durability

Configured and tested for 1,000,000 opening cycles as per EN13241.

Water tightness

Rating 3 as per EN12425.

Wind load capacity

Rating 2, 3, 4 or 5 depending on size. Tested and rated according to EN12444 and EN12424.

Safety

Our motorized doors naturally comply with all applicable safety requirements and standards. All risk of crushing eliminated in the design from the start. Optical crush protection device built into the door's center seals and additional safety photoresistor for placement in the door opening as standard. In addition to these functions, the motor/control unit contain a load monitor for personal protection. Rubber moldings designed to eliminate the risk of crushing between door leaf and door leaf, and door leaf and wall. At least 3 load-bearing brackets per leaf to prevent falls.

Brackets mounted on the door leaves

Made of steel, galvanized.

Window

Argon-filled D4-12 insulated-glass panes in six different standard sizes. Standard chest height approx. 1,070 mm. Seven-year warranty against condensation between glass panes. Window frames made from natural anodized aluminum profiles with thermal breaks.

Recessed pedestrian door

Can be provided for all variants. Always outward opening Placement is contingent on the door, refer to Project Planning Guide A minimum door height of 2,800 mm is required to fit a pedestrian door. The pedestrian door aperture is contingent on the door leaf width and can be as small as 567 mm. Min. door leaf width with recessed pedestrian door is 770 mm. Dorma Lock Housing DL 919-50.

Middle hinge

Natural anodized aluminum. Lubrication-free Teflon bushings.

Frame hinge

Steel, electrogalvanized, multi-size adjustable. Lubrication-free Teflon bushings. Screw into door surround.

Door leaf

Process-laminated sandwich panels. 50 mm thickness. Frame for fitting rubber seals, etc. Made of natural anodized aluminum profiles. Cast steel reinforcements as attachment points for hinges, controls, etc.

Insulation

50 mm freon-free polyurethane cellular plastic.

Door surrounds

Made of steel, crossbars min. 6 mm thick, side legs min. 4 mm thick.

Guide rails and brackets

Made of steel, hot-dip galvanized and adjustable. Screw into door surround.

Seals

Made of age-resistant EPDM rubber. The design meets the requirements of EN12453 without extra protection.

Siding

Inside and outside made of hot-dip galvanized sheet steel. Coated with 25 µm polyester paint.

Size – PriDrive standard

Max. width: 5,080 mm
Max. height: 4,800 mm
Max. opening: 23.15 - 23.75 m² (depending on design).

Size – PriDrive Boomerang

Max. width: 4.5 m
Max. height: 4.8 m
Max. opening: 21.6 m²

Warranty

7-year warranty on doors and mechanical components 2-year warranty on electronics Refer to separate document detailing our warranty conditions.

Maintenance, service

Lowest service requirements on the market. Once/18 months or max. 30,000 openings.

Motor and gears

Prido PriDrive

Operating current

1.10 A

Supply voltage

3x400V+N+PE

Frequency

50 Hz

Speed, outer axle

Approx. 2.0 rpm

Opening and closing speed

Standard: approx. 11 s w/4-leaf, approx. 10 s w/3-leaf
Boomerang: approx. 13 seconds, 4-leaf

Control unit

Prido PriDrive

Category according to EN13849-1

Pl^{nc} category 3

External fuse per phase

10-16 A

Internal fuses – Motor

3x2.5A slow blow 5x20 mm, breaking capacity 1500A

Internal fuses – Control unit

1x1A slow blow 5x20 mm

Energy consumption – Control unit

5 W

Temperature range

from -10 to +40 °C

Protection class

IP65

Intermittence

Continuously, max. 1 complete cycle / min



Frame control



Centre control



Lifting hinges



Standard hinges



Garage bolt for interior padlocking



Central hinges



Assembly fittings outward opening



Ecolid colour chart:



Deliveries

High delivery reliability is important. The doors must arrive on schedule and without any transit damage.

Since 2010, Prido has invested in its own transport vehicles, and we currently transport 90% of all doors delivered to the Swedish market ourselves.

Our documented delivery reliability of 99% is something we are proud of.





Professional Industrial Doors

Prido has over 45 years of solid experience and is one of the leading companies in the industry. We design, develop, manufacture, and market professional door solutions for industry and other door users across northern Europe. Our aim is to offer customers the most attractive range of market-suitable products in the industry.

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