



Ecolid®

ENGLISH



Industrial doors. An important part in your building?

With over 40 years experience and an ability to listen to both purchasers as users' requirements, we can offer an industrial door solution of today that not only provides high functionality but also contribute to an attractive and thought-out on the entire property. A solution that strengthens your brand.

Our highly automated production facilities combined with our focus on efficiency and quality at all levels means that we offer doors with high competitiveness and ensuring low costs for you as a customer even in the distant future.

Can an industrial door always be better?

Certainly, we believe that incessantly thinking of developing, designing and improving them. And without boasting, just us, we would like to state that there are few companies who are so dedicated and committed to the industrial doors as Prido.

Our long experience has taught us:

- Development and production must be done together. In order to have full control, we try to do everything in our own factory.
- The doors must be tailored to the opening, there is not a product that fits all and the design is of great significance for the final result.
- They should be easy to install and maintain.
- Quality pays off. Therefore, as standard features, our products come with a 7-year warranty and the lowest maintenance needs in the door market.
- Price is important, automation and efficiency in the organization is top focus for us.
- A close customer contact without intermediaries makes sure that the correct door ends up in your opening.

Focus in your reality

We are not only a supplier of doors. See us as a partner who wants to contribute to a safe buy for you.

A partner that guarantees the quality in both big and small issues, and it's not just the product that makes the result, the services around is often as important:

- Door surround, floor design, fixings? The question marks around a door installation are plenty. Let our technical support department provide assistance.
- Sometimes you need a site measurement to control and determine which door model and size that fits the best. Our sales staff and technicians are happy to assist with this service.
- Our organization for installation ensures that your Prido doors are installed in the way you expect.
- Short delivery times and reliable delivery is our hallmark. Contact us to see what we can offer.



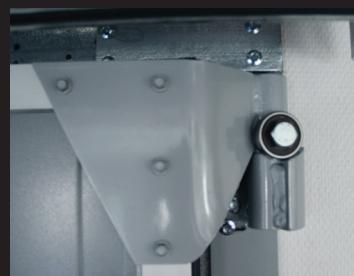
A Swedish quality door from Tråvad.

Ecold – economical and environmentally friendly

Certain installations, where design, function and economy are equally important considerations calls for a door with a little extra class. Just as its name suggests, Ecold is a truly economical and environmentally friendly alternative. At the same time it delivers a high finish and requires minimal maintenance. So, if you are looking for a well-insulated, cost-efficient and attractive folding door or side-hinged door, your search is over.

Some of the reasons why you should buy an Ecold door:

- Sweden's bestselling folding door
- Top-class design and finish
- Short delivery times and high delivery reliability
- Endurance tested for 1 million opening cycles
- Approx. 40% better U-value than frame built folding doors
- Air permeability class 4, air leakage 1,8 m³/m² h according to EN12426
- Easily and quickly installed and removed thanks to the adjustable hinges and the Installation principle with self tapping screws
- Requires minimal side and overhead space
- 7 year warranty
- Robust and easily operated automatic door holders
- Top-class rust protection
- Fully prepared for power operation
- The design eliminates all risk of pinching, also applies to manual doors
- Low maintenance costs
- Developed and manufactured in Sweden
- A more environmentally friendly alternative
- CE marked according to the European standard for industrial, commercial and residential garage doors, EN13241-1
- Entirely made to measure in a wide range of different styles



Lifting hinge (optional)

Outward door-frame hinges with door holders.



Intermediate hinge



Frame guide



Garage latch bolts for padlocking on the inside.

Ecolid – photogallery



Ecolid 3 section folding door with integrated pass-door and one row of glas. Color dark grey 036



Ecolid 4 section folding door with integrated pass-door and one row of glas. Color red 758



Ecolid 4 section folding doors with integrated pass-door and one row of glas. Color red 758.



Ecolid 4 section folding door with three rows of glas. Color graphite 044



Ecolid 4 section folding door with integrated pass-door and one row of glas. Color dark grey 036.



Ecolid 4 section folding door with integrated pass-door.
Color graphite 044



Ecolid 8 section folding door with one row of glas. Color graphite 044.



Ecolid 4 section folding door with integrated pass-door and two rows of glas. Color silver 045



Ecolid 4 section folding door with one row of glas.
Color red 758



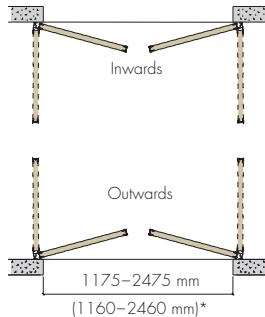
Ecolid 4 section folding door with integrated pass-door and one row of glas. Color graphite 044

Project planning guide – Ecolid

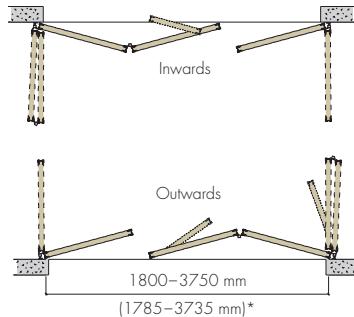
Opening alternatives – Ecolid

(* Dimensions in parentheses apply when one section is made as a pass door.)

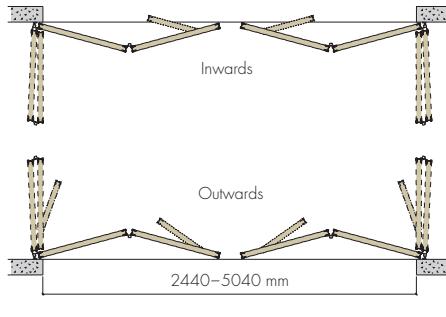
Side-hinged door



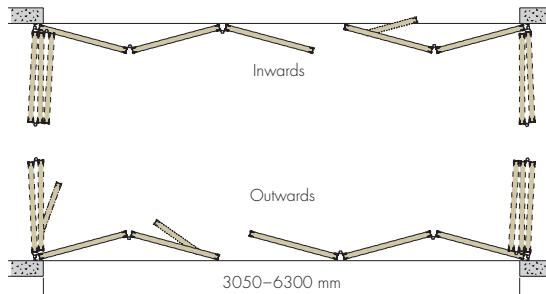
3-section folding door



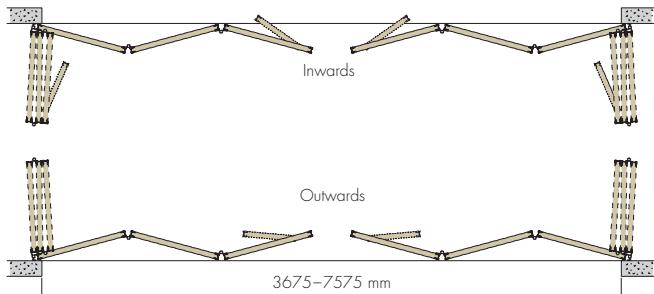
4-section folding door



5-section folding door



6-section folding door



Installation dimensions – Ecolid

(* Door surrounds not included in the door package.)

Anchorage and fixing in the door opening

Ecolid doors are manufactured with overlapping installation and a sliding floor sealing.

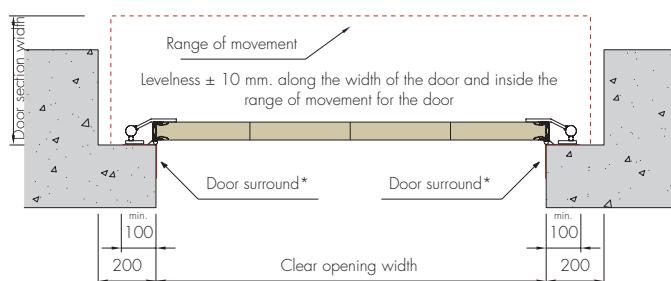
Maximum height

With sliding floor sealing = 6005 mm

2 section hinged door = 4600 mm

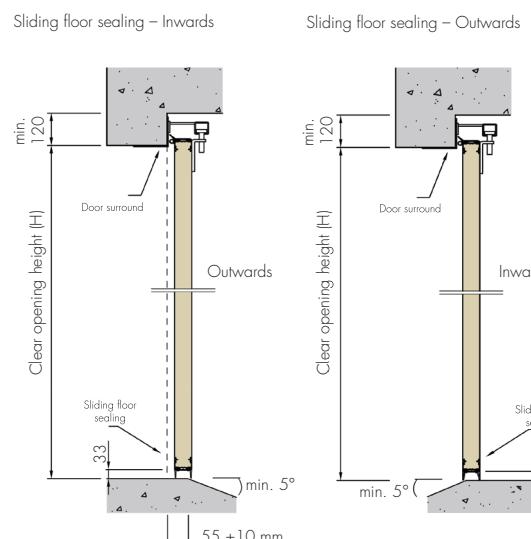
One section as a pass door = 3200 mm

Horizontal section, overlapping installation



Vertical sections

Sliding floor sealing – Inwards



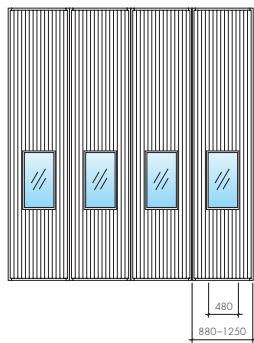
Sliding floor sealing – Outwards

Windows Ecolid

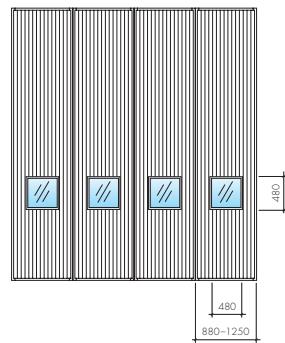
Ecolid doors can be fitted with double-glazed insulating window units. Our standard range includes a choice of six different types of window, other dimensions are available to special

order. There are no restrictions on their position and quantity, although the dimensions indicated below must be respected. Standard chest height = 1070 mm.

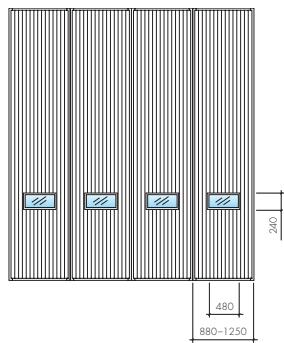
B1



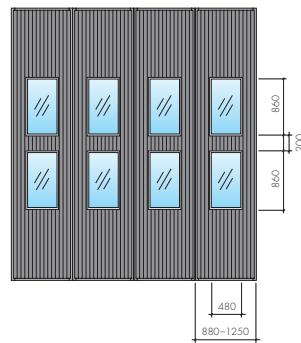
B2



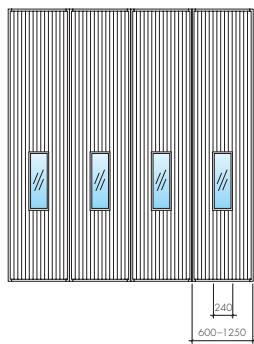
B3



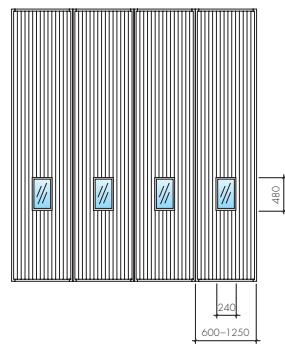
Example 1 – Two B1



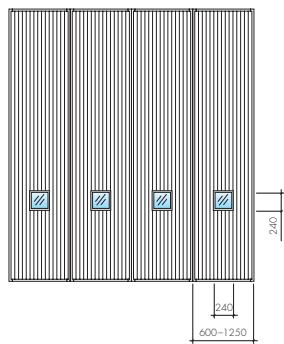
S1



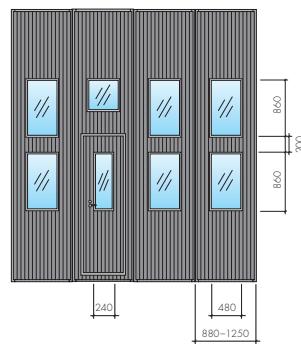
S2



S3

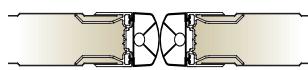


Example 2 – Two B1 plus integrated pass-door

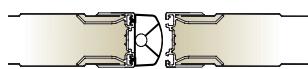


Seals – Ecolid

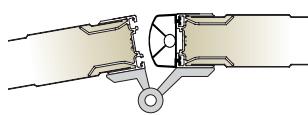
Central seal – 4-section



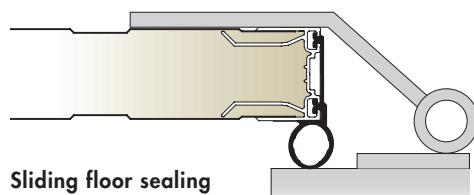
Central seal – 3-, 5-, 6-section



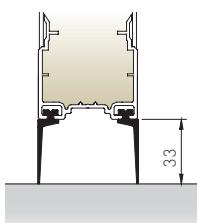
Intermediate seal



Frame seal



Sliding floor sealing



Power operation Ecolid

Do you open your door more than 10 times a day? Then make a sound investment and equip your folding door with power operation. With reduced thermal leakage, higher productivity, a better work environment for users and truck drivers, and a longer life for the door, you can expect to recoup your investment even if you open your door only a few times a day. Our motors and control systems are made in Sweden and are dimensioned to withstand the tough climate that can sometimes be encountered with severe wind, snow and outdoor temperatures down to -40 °C.

Opening alternatives

Four-section folding doors and two-section (half four-section) can be equipped with power operation in two alternative forms, top-mounted and side-mounted:

- With top-mounting, a motor is positioned above the center of the door and opens and closes the door through link arms attached to the outer door sections.
- With side-mounting, a motor is positioned to either side of the outer door sections, and the motor pulls or pushes the door through link arms into the respective open or closed position.



Top-mounting



Outwards opening with motor operation



Side-mounting

Control options

A number of control options are available for operating the door. These range from push-button keypads with open, stop and close functions to more sophisticated solutions including radio control, radar, automatic closing, coded locking, card reader, pull cord, ground loop detectors and security interlock functions. The control cabinet is as standard supplied with impulse control and an integrated keypad. In addition, the control system includes a range of functions to facilitate its operation for users, installers and service technicians, e.g. an opening cycle counter.

Technical data and accessories

Sizes

Maximum size 24 m² with top mounted motor and 30 m² with side mounted motors. Minimum door height is 2700 mm.

Side space

Minimum 700 mm with top mounted motor and minimum 800 mm with side mounted motors.

Overhead space

Minimum 455 mm with top mounted motor and minimum 100 mm with side mounted motors.

Opening speed

Approx. 17 seconds.

Operating voltage, mains connection

3-phase 400V, T10A, with a CEE connector as standard.

Release

Manually, via a disconnection rod.

Motor, enclosure class

3-phase electric motor, 0.37 kW, 50 Hz. Enclosure class IP54.

Cabling

Complete cabling between the motor and the control unit. Complete cable runs and cabling to the optical safety edge and pass door switch.

Extra photocell

Supplied complete, with cabling.

Link arms and brackets

Adjustable link arms and motor arms. Link arm brackets mounted on the door.



Push-button keypad and key-actuated control



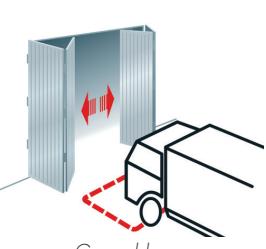
Radar



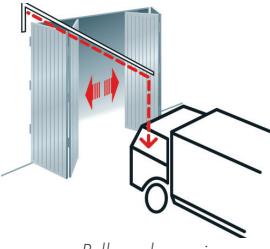
Radio with remote control



Coded locking and card reader



Ground loop



Pull cord opening

Keeping control over

Maintenance costs – possibly the main strength of sectional doors

All doors require a certain amount of maintenance in order to work optimally, but are you aware of the considerable cost differences between sectional doors and vertical sliding doors, the two most common door variants on the market. Ecolid doors are designed to minimise maintenance costs. They have been tested and approved for more than a million opening cycles, with service intervals of 36 months for manual doors and 18 months for motor-operated doors. All components are carefully selected and optimised to cope with many years of use without needing to be replaced or maintained.



ECOLID - manual

Service and travel costs every 36 months:

SEK 1,155/service,
3 services/10 years
Total cost = SEK 3,465

Check by inspection body:

SEK 0/inspection,
Total cost = SEK 0

Replacement of PTFE bushes and sliding moulding

Normally replaced once/10 years
Materials SEK 398,
labour SEK 1,800
Total cost = SEK 2,198



ECOLID - motor-operated

Service and travel costs every 18 months:

SEK 1,155/service,
6 services/10 years
Total cost = SEK 6,930

Check by inspection body:

SEK 1,000/inspection,
5 inspections/10 year
Total cost = SEK 5,000

Replacement of PTFE bushes and sliding moulding

Normally replaced once/10 years
Materials SEK 398,
labour SEK 1,800
Total cost = SEK 2,198



VERTICAL SLIDING DOOR
- motor-operated (Common makes)

Service and travel costs every 12 months:

SEK 1,155/service,
10 services/10 years
Total cost = SEK 11,550

Check by inspection body:

SEK 1,000/inspection,
5 inspections/10 years
Total cost = SEK 5,000

Replacement of torsion springs:

Normally replaced after
25,000 openings
Materials SEK 10,400,
labour SEK 3,600
Total cost = SEK 14,000

Replacement of cables, side rollers and side seals.

Normally replaced after
50,000 openings
Materials SEK 1,520,
labour SEK 1,800
Total cost = SEK 3,320

Total cost, 10 years = SEK 5,663

Total cost, 10 years = SEK 14,128

Total cost, 10 years = SEK 33,870

Preconditions: Doors 4x4 m, 20 openings per day, 250 days/year, hourly cost SEK 600, distance to service company 30 km, SEK 8.5/km, 10 years of use. It is assumed that checks by the inspection body are performed in conjunction with other inspections in the same operating location. Ecolid's material costs in accordance with Prido AB's spare parts price list. Spare part prices for vertical sliding doors in accordance with information from established service company.

Ecolid – technical data

CE marking

All Ecolid doors are CE marked to conform to the Construction Products Regulation according to the relevant standard EN13241-1. Power-operated doors are also CE marked to conform to the Machinery Directive, the Low Voltage Directive and the EMC Directive.

Insulation value

U-value 1,39 W/(m²/K) for a fully covered 5x5 m door, or 1,51 W/(m²/K) with a single row of glazed windows type B1, calculated according to EN12428.

Air permeability

Class 4, 1,8 m³/m² h, according to EN12426.

Mechanical durability

Dimensioned and tested for 1 million opening cycles according to EN12605.

Water penetration

Class 3 according to EN12425.

Wind load resistance

Class 2, 3, 4 or 5 depending on the size. Tested and classified according to EN12444 and EN12424.

Safety

Our power operated doors of course meet all the applicable safety requirements and standards. The doors are designed from the outset to eliminate all risk of pinching and are fully convertible to power operation without extra protection. Optical safety edges are integrated into the center seals of the door and an extra safety photocell for detection in the door opening are included as standard. In addition to these personal safety functions, the motor/control system incorporates an overload sensor as a protection device. The rubber seals are designed to eliminate the risk of pinching between door sections and between a door section and the wall. Each section has at least three load-bearing fittings to prevent dropping.

Windows

Insulated glazing units D4-12 Star Argon, in six different standard sizes. Standard chest height approx. 1070 mm. 7-year warranty against condensation between the glass sheets. Window frames made from natural anodized aluminum profiles with broken thermal bridges.

Fittings installed on the door leaf

Steel, zinc plated and powder coated.

Integrated pass doors

Available in all models. Pass doors always open outwards. The position is determined by the choice of door opening (please see the project planning guide). A minimum door height of 2800 mm is required to accommodate a pass door. The width is determined by the width of the door section and can be as narrow as 450 mm. Minimum width of the door section with an integrated pass door is 864 mm. Lock case Dorma DL 919-50.

Pull handles

Natural anodized aluminum handles.

Insulation

50 mm freon-free polyurethane foam.

Lifting hinges(option)

Raises the door with 10 mm during the opening movement. Suitable for floors with undulations. Good sealing in the closed position, and a soft and smooth opening movement without undue wear on the sliding floor sealing.

Door-frame hinges

Steel, zinc plated and powder coated, with multi-axis adjustment. Lubrication-free PTFE bushings.

Screwed into the door surround by self tapping screws.

Locks

Garage latch bolts for padlocking on the inside. Cylinder locking on the inside and outside is available as an option. Compatible with Eurocylinder.

Intermediate hinges

Natural anodized aluminum. Lubrication-free PTFE bushings.

Door leaf

Process laminated sandwich panels. Thickness 50 mm. Maximum size of a single door section is 1250 x 6000 mm. The frame for the attachment of rubber seals, etc., is made from natural anodized aluminum profiles. Castin steel reinforcements as attachment points for hinges, guides, etc.

Door surrounds

Steel, concrete or wood. At least 6 mm steel is required if an individual door section is larger than 6 m². In other cases at least 3 mm steel with inwards anf 4 mm steel with outwards.. Three different screw kits are available depending on the type of surround.

Stable package

Doors installed in washing halls or in agricultural stables require a special component package for extra rust protection in order for the warranty to be valid. Not suitable for retrofitting.

Guide rails and brackets

Made of hot dip galvanized steel. Adjustable and screwed into the door surround.

Seals

Seals are made from age-resisting EPDM rubber. The design meets the requirements of EN12453 without the need for extra protection.

Door holders

Automatic locking in the open position on doors that opens both inwards and outwards.

Surface

Inside and outside made of hot dip galvanized steel sheets. Top coated with a 25 µm polyester paint.

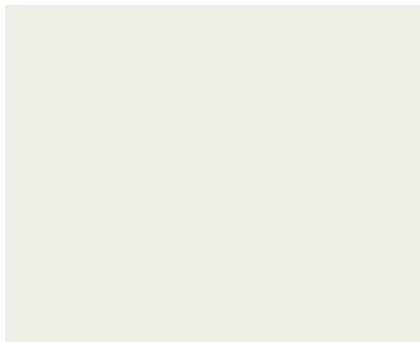
Maintenance, service

The smallest needed service requirements in the market. 1 time/18:e months or max 25 000 openings for power operated doors. 1 time/36 months for manually operated doors.

7 year warranty

See separate documents with our warranty conditions.

Ecolid colors



White 010 Ral 9010



Light grey 022 Ral 7044



Blue 022 Ral 5009



Silver 045 Ral 9006



Graphite 044 Ral 9007



Dark grey 036 Ral 7024



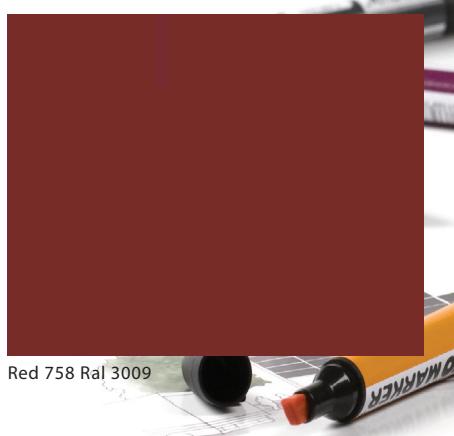
Antracit grey 035 Ral 7016



Black 015 Ral 9005



Green 874 Ral 6003



Red 758 Ral 3009



Brown 434 Ral 8017





Professional Industrial Doors

Prido has over 40 of years solid experience and is one of the leading players in its sector.

The company is involved in the design, development, manufacture and marketing of industrial door solutions for industry and other door users in the Nordic region and Northern Europe. Our objective is to offer the most attractive range of products in tune with the market.

www.prido.se