



# **DOORS THAT LEAD THE WAY** **DELIVERY RANGE**



**ALBANY**  
DOOR SYSTEMS  
A company of Albany International Corp.

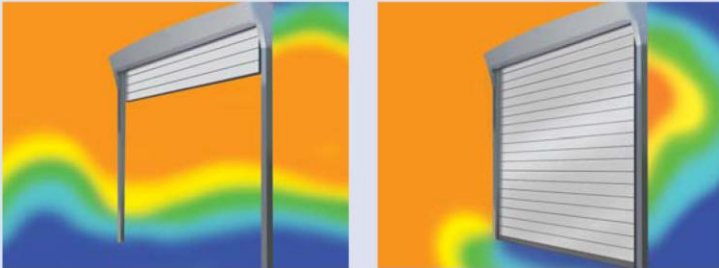
# DOORS THAT LEAD THE WAY



## Albany high-speed roll doors support efficient energy management.

Commercial enterprises consume more than one-fourth of Germany's total energy output. Around one-half of this consumption is for heating buildings and only a fraction is ever actually used. A considerable part of this heat is lost, causing disproportionately high environmental impact and costs.

### CONVENTIONAL DOOR



### ALBANY HIGH PERFORMANCE DOOR



The condition of buildings and their exterior construction determines how small the amount of energy expended for room heating can be. Not only older industrial and commercial buildings, but also buildings from the 1990s have either insufficient heat insulation or simply lack it altogether. Even when the building material used is good, the insulation of outer walls, roofs, windows as well as of outer gates and doors is often not up to the standards of engineering.

The consequences are higher energy consumption, heating costs and CO<sub>2</sub> emissions. Efficient energy management is gaining ever more importance on economical as well as ecological grounds. Today energy efficiency is one of the key themes for successful corporate trades. Countless initiatives and organizations are showing businesses and public establishments how to recognize and make use of energy saving potential. Successful businesses can achieve win-win situations from which both environment and enterprise profit.



### High performance doors for interior applications

Partition rooms for temperature control, noise protection, air infiltration and energy loss prevention.



### High performance doors for exterior applications

Minimize energy loss in high cycle applications.



### Doors for use during processes

Door systems that protect people, product and processes operating in close proximity to assembly lines and machinery.



### After sales service

Qualified and comprehensive service that includes maintenance, inspection and repair of all types of door systems.



# DOORS WITH FLEXIBLE CURTAINS



## RapidRoll® 300

The door was specifically developed as an internal door, but is also used in wind-protected external areas. The design principle of the **RapidRoll® 300** is based on a modular system. This means that the side frames can be either aluminium, stainless steel or galvanised steel. Furthermore, there is a choice of curtains, ranging from PVC with coloured reinforcement strips, sturdy, high-tensile **RollTex®** material, flame-retardant fabric or top curtains either with vision panels or windows. There are alternative control systems for various speeds available



W max.:  
3500 mm

H max.:  
3500 mm

## RapidRoll® 300 Plus

The **RapidRoll® 300 Plus** is a compact, light high-speed door made from galvanised steel or stainless steel for the most diverse applications. The **RapidRoll® 300 Plus** has a standard counterbalance, which allows for manual self-opening of the door. Alternatively, an automatic self-opening system is available, whereby the door autonomously opens in the event of a power failure. Due to its special additional features, the **RapidRoll® 300 Plus F+R** is specifically deployed for areas in which doors are used as escape routes and have to open automatically if there is an emergency or if there are technical faults or power failures.



W max.:  
4000 mm

H max.:  
4200 mm  
4000 mm (F+R)

## RapidRoll® 355

Indicative of the **RapidRoll® 355** is the combination of a high level of technology and modern industrial design. Good wind resistance through the curtain tensioning system and wind protection elements, a self-repairing breakaway capability after a collision and a pre-running safety photocell for contactless protection of personnel and goods make the door an all-rounder for internal and external use. The door's side frames are made from anodised aluminium profile.



w max.:  
4000 mm

H max.:  
4200 mm



# DOORS WITH FLEXIBLE CURTAINS



W max.:  
6000 mm

H max.:  
6000 mm



W max.:  
7500 mm

H max.:  
6000 mm



W max.:  
6000 mm

H max.:  
6000 mm



## RapidRoll® 392

The **RapidRoll® 392** provides a rugged industry standard and offers customers a favourable price/performance ratio. The basic features of the door was intentionally limited to just the essentials. You can configure your **RapidRoll® 392** according to its intended use. The side frames are made from galvanised metal profile. A curtain tension system is standard. The door can be fitted with an optional knock out mechanism. As safety features, the door has an electric safety contact strip and a stationary safety photocell.

## RapidRoll® 450/600/600 G

The **RapidRoll® 450/600/600 G** is an all-rounder and perfect for numerous industrial and logistical requirements. As an exterior door, it closes reliably and prevents drafts and cold. As an interior door, it separates bays, provides protection against noise and foreign particles. The door's side frames are made from aluminium. The standard curtain tension system ensures optimum curtain tension. The pre-running safety photocell is standard. Optionally, there is a self-repairing breakaway capability.

## RapidRoll® 600

The **RapidRoll 600®** is ideally suited for heavily-used openings and adverse conditions in both external and internal areas. The door is weather-proof and is resistant to extreme loads. It is resistant to wind loads in accordance to EN 12424, class 3, which corresponds to hurricane-strength wind speeds. The door's side frames and the roll cover are made from anodised aluminium. Upon request, a self-repairing knock out mechanism is available. The door curtain is made either from PVC or from **RollTex®** fabric.

# DOORS WITH RIGID CURTAINS



## RapidRoll® 3000er series

The **RapidRoll® 3000** series unites the highest level of function and design. Depending on the requirements and specific intended use, the **3000**, **3000 L**, **3000 R**, **3000 XXL** and **3000 ISO** models provide 5 variants for various uses. The **3000 EX** is designed for use in areas subject to explosion risk.

All versions can easily cope with class 3, EN 12424 wind loads (hurricane strength). The technical heart of the 3000 series is the innovative DiscDrive technology. With this technology, the aluminium slats are rolled up contactless on winding discs and without using wear-susceptible guide rolls on the slats. The slats themselves are connected to each other hinge-free using laterally-positioned flexible high-performance ties. This means - no wear, low-maintenance and minimisation of secondary damage following a crash due to the swift replacement of the individual slats. The basic configuration comprises a contactless pre-running safety photocell and a stationary photocell on the main bottom edge. Coloured design variants for the aluminium slats in numerous RAL colours ensure the solutions are attractive.

Depending on the model, the **RapidRoll® 3000** type curtain is made from anodised, double-walled aluminium slats, optionally with window slats or from double-walled aluminium slats and transparent PVC segments in the **RapidRoll® 3000 L type**. Perforated sheet slats are a further option. The **RapidRoll® 3000 ISO** type is equipped with a thermally-separated curtain. The double-walled anodised aluminium slats envelop an additional hard-PVC insulation chamber, which functions as a permanent heat/cold barrier. The k value (heat transfer coefficient) for the curtain achieved with this is 1.4 W/m<sup>2</sup>K and 2.1 W/m<sup>2</sup>K for a complete door (example: 4m x 4m). The **RapidRoll® 3000 XXL** type is suitable for door openings of up to 36 square metres, whereas the **RapidRoll® 3000 R** was developed for tight spaces.



W max.:  
8000 mm

H max.:  
6000 mm





# DOORS FOR PROCESS APPLICATIONS



W max.:  
4000 mm

H max.:  
3500 mm



## RapidProtect™ 300

Machine protection doors protect people and processes in highly-automated commercial areas and make automation safer. The **RapidProtect™ 300** is a machine protection door with narrow side frames made from aluminium. Depending on the intended use, there are various flexible curtain designs and colours available. The plastic glide elements hold the curtain firmly in the guide rails even if pressure is exerted by a person or item. It allows short cycle times and can be installed in machines, on production lines and railing systems within close proximity to the machine.



W max.:  
3000 mm

H max.:  
3000 mm



## RapidProtect™ 2000

If complete protection even against the pushing in of the curtain is required, then the **RapidProtect™ 2000**, with its sturdy rigid curtain made from aluminium slats, is the perfect solution. The side frames are self-supporting and are made from galvanised sheet steel profile. The design is available in accordance with various factory standards. The door has short opening and closing cycle times.



W max.:  
5000 mm

H max.:  
5000 mm



## RapidRoll® 3000

The **RapidRoll® 3000** from the **3000 series** has been specifically designed as a machine protection door for laser systems and automatic welding systems with substantial flying sparks. The curtain comprises double-walled slats, which overlap the transitions like a labyrinth to ensure that the laser does not penetrate. The door has been tested in accordance with DIN EN 60825-5. The design is available in accordance with various factory standards.



# ALTERNATIVE SOLUTIONS



## RapidTech® 110

The sectional door **RapidTech® 110** is particularly suitable for external use. The function and the design can be optimally adapted to the installation situation by customising the colour and using numerous panel and window variants. Sectional doors and other options can be easily integrated. In addition to the manual version, electric drives are available. You can choose between the aluminium sectional door with maximum light efficiency and transparency or the insulating sectional door with heat-insulating and sound-insulating properties.



W max.:  
8000 mm

H max.:  
6000 mm

## RapidRoll® F

The **RapidRoll® F** metal roll door is ideal for tall and wide external exits in industrial and warehouse buildings and is frequently used in conjunction with a high-speed roll door. The door is available in manual and electric motor versions.



RapidRoll® F



RapidFalt® SF



**RapidRoll® F**  
W max.:  
12000 mm  
H max.:  
8000 mm

**RapidFalt® SF**  
W max.:  
6000 mm  
H max.:  
6000 mm

## RapidFalt® SF

The sturdy steel **RapidFalt® SF** folding door is used for frequently used external exits. By positioning the folding doors before or after the opening, the entire opening width and height are retained.

## RapidNorm®

Swinging doors offer a high return for minimal procurement costs. The doors are used internally for personnel or forklift traffic. There is a medium-heavy version available for normal demands and a heavy industrial version for high demands.



RapidNorm®



RapidStore®



**RapidNorm®**  
W max.:  
5250 mm  
H max.:  
5250 mm

**RapidStore®**  
W max.:  
depends on the customer's requirements  
H max.:  
6000 mm

## RapidStore®

Strip curtains can be used for closing large openings. Decisive for the effectiveness of a strip curtain is the strip thickness and the overlap.



# OUR SERVICE OFFERS



## ***Your needs are our service demands!***

*From the assembly of the door to the yearly testing.*

*From the application of service to the ordering of replacement parts.*

Regular maintenance and check-up of your door is just as important as the TÜV inspection of your car. It is nonetheless prerequisite that the maintenance and testing are conducted by a door service professional. Our best trained service technicians carry out the tests efficiently and professionally.

### ***Service costs are a profit***

The number of completed repairs does not decide whether your door construction will be worth its operating price or not. The deciding factors for the service are the demands that your door withstands. We tell you the necessary service intervals, the condition of your door and the measures that need to be taken.

Independent from the maker that you have chosen, we can help you extend the life of

your doors and keep the costs down. The technical competence of Albany Door Systems service team goes far beyond our own models.

### ***Try us for yourself!***



### ***You have a personal contact partner who:***

- *knows your door inside and out*
- *is always available*
- *prepares their schedule around you*
- *has the necessary hard-to-find replacement parts for your door.*



## ALBANY DOOR SYSTEMS



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