

Self repairing high speed doors

Dynamicroll®



Dynamicroll® is a brand name for industrial Fast Action Doors designed for any application, featuring the following characteristics:

- Well sealed
- Self-repairing
- Fast action
- Safe operation
- Pleasant aesthetics
- Silent performance



high performance doors

TECHNICAL DATA:	
Maximum door size (W x H):	8000 x 8000 mm
Opening speed:	~2 m/sec.
Closing speed:	~0,8 m/sec.
Wind load EN 12424:	Class
w 3000 x 3000	4
w 5000 x 5000	3
w 7000 x 5000	2
w 8000 x 8000	1
Power supply:	230 V, 10 A 400 V, 8 A*
Frequency	50/60 Hz
Control box	Inverter
Drive:	Encoder
Curtain	1,3 mm - 1300 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety , Sensor Wireless**
Performance cycles EN 12604	1.000.000

*(depending on door size)

** > 25 m²

Options:

- As stainless steel or plastic.
- Emergency opening: hand crank, counterweight, UPS battery, or T-Cut
- Windows: round, oval, rectangular, full-vision or customized.



High Performance Doors

Porta rapida autoriparante - Self repairing high speed doors

Dynamicroll® Food INOX - Dynamicroll® Food Stainless steel



With a complete AISI 304 / 306* Stainless Steel Frame, this door has been created with the intention to meet all of the strict requirements required by the various food, production, preparation, packaging etc groups of industry. (*optional)



TECHNICAL DATA:	
Maximum door size (W x H):	4500 x 4500 mm
Opening speed:	~2 m/sec.
Closing speed:	~0.8 m/sec.
Wind load EN 12424:	Class
w 3000 x 3000 w 5000 x 5000 w 7000 x 5000	2
Power supply:	230 V, 10 A 400 V, 8 A*
Frequency	50/60 Hz
Control box :	Inverter
Drive:	Encoder
Curtain	1,3 mm - 1300 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety Sensor Wireless**
Performance cycles EN 12604	1.000.000

* (depending on door size)

** > 25 m²

Dynamicroll® Food PE

TECHNICAL DATA:	
Maximum door size (W x H):	4500 x 4500 mm
Opening speed:	~2 m/sec.*
Closing speed:	~0,8 m/sec.
Wind load EN 12424:	Class 1
Power supply:	230 V, 10 A
Frequency	50/60 Hz
Control box	Inverter
Drive:	Encoder
Curtain:	1,3 mm - 1300 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety Sensor
Frame:	polyethylene (stainless steel accessories)
Performance cycles EN 12604	1.000.000

* (depending on door size)

Frame made from polyethylene FDA approved with accessories and motor cover in stainless steel 304/316*

* Optional



Repairing high speed doors

Dynamicroll® Frigo 2



It's Double Curtain construction with space in-between and Heating Elements, had been designed specifically for temperature controlled rooms, with both Positive and Negative temperatures.

TECHNICAL DATA:	
Maximum door size (W x H):	4500 x 4500 mm
Opening speed:	~1,8 m/sec.*
Closing speed:	~ 0,8 m/sec.
Wind load EN 12424:	Classe/Class 1
Power supply:	230 V, 16 A* single phase
Frequency	50/60 Hz
Control box	Inverter
Drive:	Encoder
Curtain	0,9 mm - 900 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety Sensor
Performance cycles EN 12604	1.000.000
Distance between curtain	250 mm
Heat transfer	2,52 W/m ² K

* (depending on door size)



Self repairing high speed doors

Dynamicroll® GDO

TECHNICAL DATA:	
Maximum door size (W x H):	4000 x 4000 mm
Opening speed:	~ 1,5 m/sec.*
Closing speed:	~ 0,8 m/sec.
Wind load EN 12424:	Class 1
Power supply:	230 V, 16 A* single phase
Frequency	50/60 Hz
Control box	Inverter
Drive:	Encoder
Curtain	1,3 mm - 1300 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety Sensor Wireless**
Performance cycles EN 12604	1.000.000

*(depending on door size)

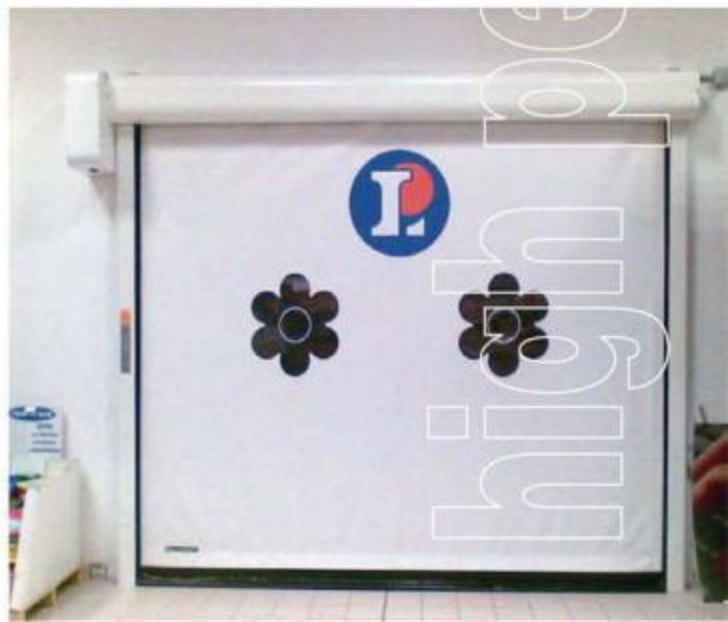
** Option

Custom windows solutions

Full digital print solution



Created to meet the demanding requirements of Retail Stores network and Supermarkets. The door comes with integrated inverter in motor casing and reduced size columns.



Self repairing high speed doors

Dynamicroll® CB - Clean Room



TECHNICAL DATA:	
Maximum door size (W x H):	4000 x 4000 mm
Opening speed:	~ 2,5 m/sec.*
Closing speed:	~ 0,8 m/sec.
Wind load EN 12424:	Class 1
Permeability air EN 12426 EN 12427	< 12 m ³ /m ² h Δ 50 PA
Power supply:	230 V, 16 A* single phase
Frequency	50/60 Hz
Control box	Inverter
Drive:	Encoder
Curtain	FDA 1700 gr/m ²
Safety edge EN 13241:	Anti-Crash Safety Sensor Top sensor**
Performance cycles EN 12604	1.000.000

* (depending on door size)

** Optional

Interlock system with automatic opening

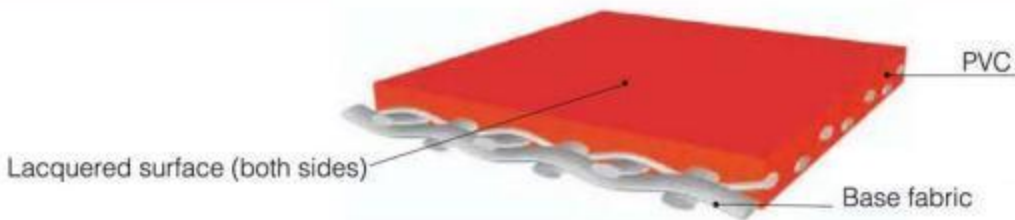


Based on the concept of low air permeability in pressurized rooms, with positive and negative air pressure, our engineers have come up with a design* to fit inside the columns the motor and the counterweight. This offers high door efficiency with a very low permeability values.

* The door frame comes in Stainless Steel 304 in satin finish.



Technical data



Type of coating and finish			
Coating material	PVC		
Top coating	lacquered finishing on both sides		
Flammability	ISO 3795 <100 mm/min.		
Best weight	900/1300	g/m ²	DIN EN ISO 2286-2
Tensile strength	4300 / 4000	N/50 mm	DIN EN ISO 1421/V1
Tear strength	500 / 500	N	DIN 53363
Adhesion	20	N/cm	LB 3.04-1
Low temperature resistance	-40	°C	DIN EN 1876-1
High temperature resistance	+70	°C	LB 3.15
Color fastness to light	>6	Note, Value	DIN EN ISO 105 B02
Bending strenght	no creases	100000 x @	DIN 53359 A
Base fabric			
Material			DIN ISO 2076
Yarn count	1100	dtex	DIN ISO 2060
Weave	P 2/2		
Notes	complies with DIN EN 12641-2		

CLOTH THICKNESS 1,3 mm / 1300 gr/m²



CLOTH THICKNESS 0,9 mm / 900 gr/m²



INSULATED CLOTH 3 mm



FDA APPROVED CLOTH 1700 gr/m²



FRAME STANDARD COLOR OPTIONS



	DYNAMICROLL	Dynamicroll Food inox	Dynamicroll Food PE	Dynamicroll Frigo 2	Dynamicroll GDO	Dynamicroll CB	Roll	Pack	Pack Carro Ponte	Mega Pack	Komby
	O	X	X	✓	O	O	✓	✓	✓	✓	✓
Galvanized steel frame	✓	X	X	O	✓	O	✓	✓	✓	✓	✓
Painted frame in predefined standard colours	O	X	X	O	✓	O	✓	✓	✓	✓	✓
Painted frame as for RAL standar	O	X	X	O	✓	O	✓	✓	✓	✓	✓
Stainless steel frame, satin finish Aisi 304 (Clean Room)	O	X	X	O	✓	O	✓	✓	✓	✓	✓
Stainless steel frame Aisi 316	O	X	X	O	✓	O	✓	✓	✓	✓	✓
Polyethylene frame (Food industry)	X	X	X	X	X	X	X	X	X	X	X
Curtain fabric, 900 gr/mq	O	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curtain fabric, 1300 gr/mq	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Insulated curtain fabric, (3 mm. thick)	O	O	O	O	O	O	O	O	O	O	O
Polyurethane FDA curtain fabric, 1700 gr/mq	O	X	X	X	✓	O	✓	✓	✓	✓	✓
Curtain fabric for Low Temp. Rooms, w/out Vision Panels	O	X	X	✓	O	O	✓	✓	✓	✓	✓
Windows, oval	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows, Round/Circle	O	X	X	O	O	O	O	O	O	O	O
Vertical Transparent Sectors / Full Vision Panels	O	X	X	X	O	O	O	O	O	O	O
Horizontal Transparent Sectors	O	✓	✓	✓	O	O	✓	✓	✓	✓	✓
Control Box, Plastic PVC	O	✓	✓	✓	O	O	✓	✓	✓	✓	✓
Control Box, Metallic	✓	✓	✓	✓	O	O	✓	✓	✓	✓	✓
Control Box, Stainless Steel Aisi 304	O	O	O	O	✓	O	✓	✓	✓	✓	✓
Electronic Control Board with Inverter (220v)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electronic Control Board with Relays (380v)	X	✓	✓	✓	X	X	✓	✓	✓	✓	✓
PhotoCell Set (installed in column system)	✓	X	X	✓	✓	✓	✓	✓	✓	✓	✓
PhotoCell Set 180°	O	✓	✓	✓	O	O	✓	✓	✓	✓	✓
PhotoCell Reflex	X	X	X	X	X	X	X	X	X	X	X
Safety edge, Wireless Resistive Anti-Crash Safety Sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flashing Light	✓	O	✓	✓	✓	✓	✓	✓	✓	✓	✓
Push-button, OPEN (external)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Control	O	O	O	O	O	O	O	O	O	O	O
Radar	O	O	O	O	O	O	O	O	O	O	O
Induction Loop	O	O	O	O	O	O	O	O	O	O	O
Selector with key	O	O	O	O	O	O	O	O	O	O	O
Pull Cord Switch	O	O	O	O	O	O	O	O	O	O	O
Counterweight	O	X	X	O	✓	O	X	X	X	X	O
Emergency Opening With UPS	O	X	X	X	O	O	X	X	X	X	O
"I" Emergency Exit	O	X	X	X	O	O	X	X	X	X	O
Heater Kit Resistive	X	X	X	X	O	O	X	X	X	X	O
Heater Kit Resistor with Heater Blower	X	X	X	X	O	O	X	X	X	X	O
Pre-wired Option	O	O	O	O	O	O	O	O	O	O	O
Motor position, RHLH side	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
Motor position, Front RHLH side	✓	O	O	O	X	✓	✓	✓	✓	✓	✓
Motor casing / Canopy	O	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Handle Wind Operation	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓

O = Optional
 X = Not available
 ✓ = Standard

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