

MaxiRoll P

maxiflex®

TECHNICAL DATA

WIND RESISTANCE
CLASS 5

SELF-REPAIR

SAFE

COUNTERWEIGHT
BALANCING SYSTEM

DRIVE SYSTEM AND
CURTAIN COLLECTION

HIGH SPEED

MAXIMUM DIMENSIONS*	10 000mm (W) x 6000mm (H)
SPEED	Up to 3m/s
WIND LOAD** *differential pressure*	< 5.000mm: class 5 from 5.100mm to 6.500mm: class 4 from 6.500mm to 8.000mm: class 3 over 8.000mm: class 2
DOOR OPERATION WITH WIND LOAD	Up to 100km/h
FRAME	- Galvanised steel - Stainless steel - Power coated
CURTAIN TYPE	- 1.300g/m² 12x12 - 1.700g/m² insulated - Antistatic
WINDOWS	Anti UV transparent PVC 1mm thickness
VERTICAL GUIDES MATERIAL	Frame in glavanised steel with sliding guides in polyzene 1 000 000 cycles
MOTOR	Direct drive with worm gearbox
SAFETY	Infrared light curtain H 2500 (CE EN 13241)
POWER SUPPLY	3 phase 230 - 380 - 500V - 50/60Hz
SELF-REPAIR	Instantaneous at the point of release of the curtain
WORKING TEMPERATURE	-30°C +70°C ***
SOUND INSULATION *standard*	18db****
WATER RESISTANCE	Class 3 (rif. EN 12425)
AIR PERMEABILITY	Class 1
THERMAL TRANSMISSION	Standard 5.8 W m²k
	Insulated 3.2 W m²k

* different sizes on demand
** higher resistance wind load on demand
*** by heating cable
**** dependant on frequency

Efficient. Self-Repairing. Insulated.

The Maxiflex® MaxiRoll P – our latest range of high-performance, waterproof doors designed for large outdoor openings.

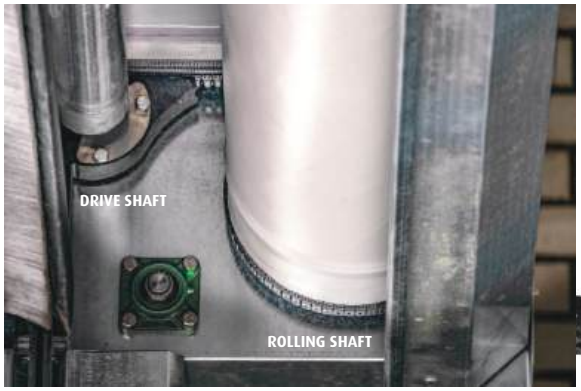
Engineered for demanding environments, these innovative doors offer exceptional wind resistance (up to Class 5) and rapid closing speeds, thanks to a robust gear-driven system powered by a high-efficiency motor.

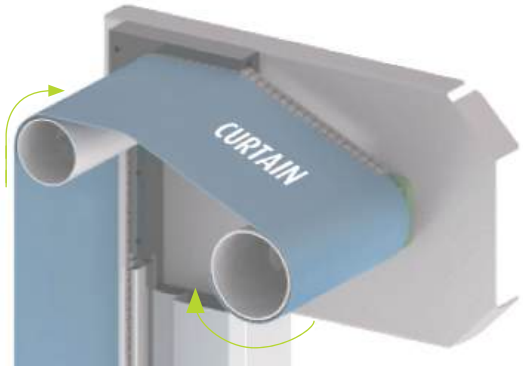
At the heart of the MaxiRoll P is a patented, impact-resistant curtain featuring a reinforced zip design. This advanced system minimizes jamming during collisions, enables seamless redirection, and ensures the door self-repairs precisely at the point of impact — keeping downtime to an absolute minimum.



DRIVE SYSTEM AND CURTAIN COLLECTION

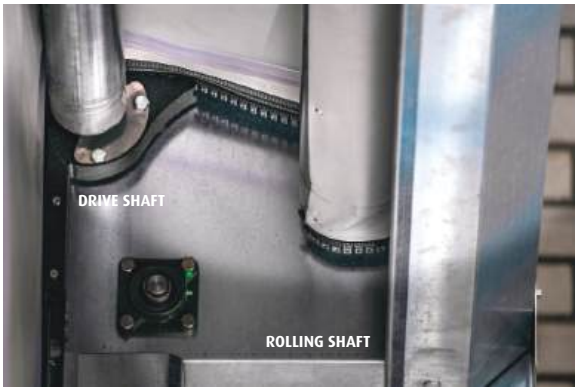
OPENING

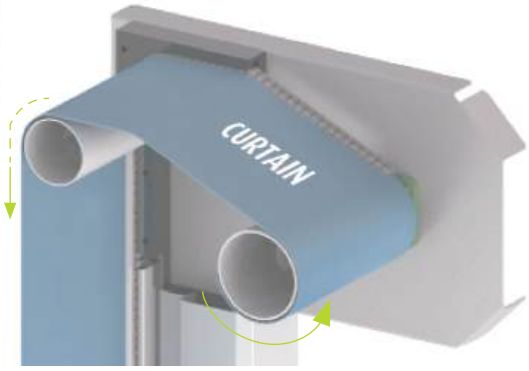






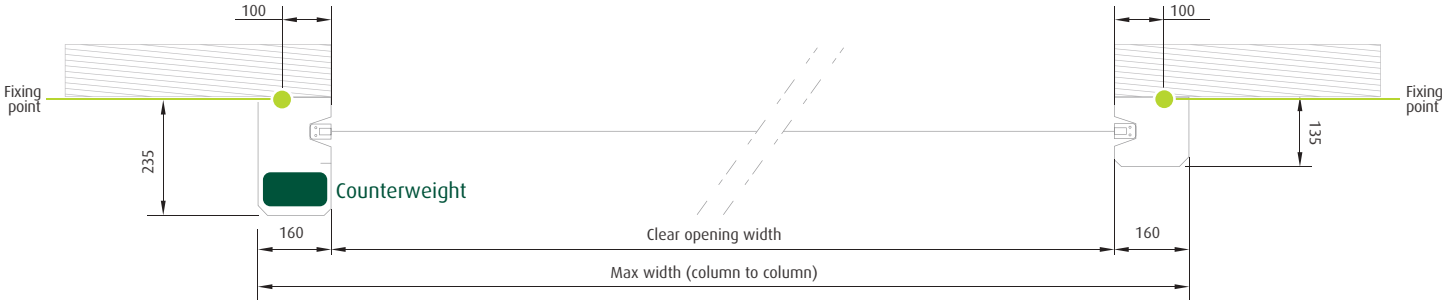
CLOSING

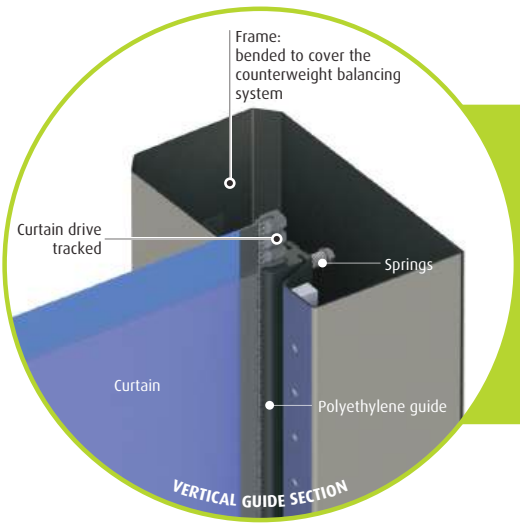




ANTIDROP/OPENING SYSTEM

counterweight EN 13241/CE

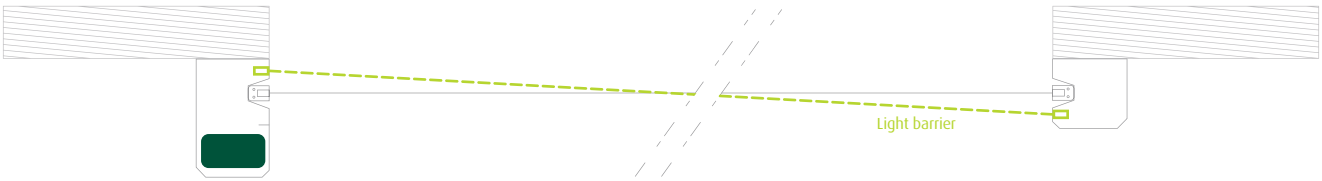


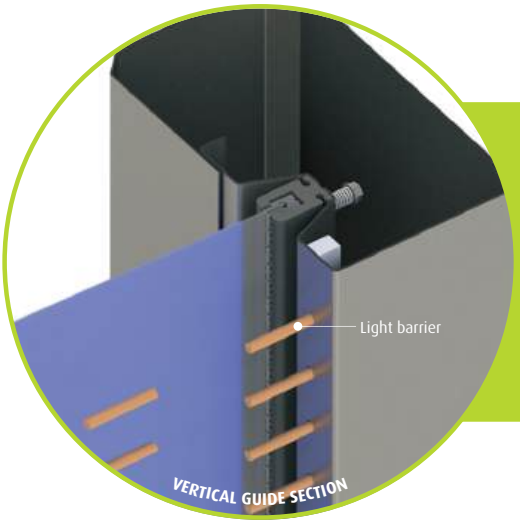


The rolling shaft is connected to a counterweight balancing system which rolls the curtain and keeps its position in case of mechanical failure of any drive elements.

ANTICRUSHING SAFETY SYSTEM

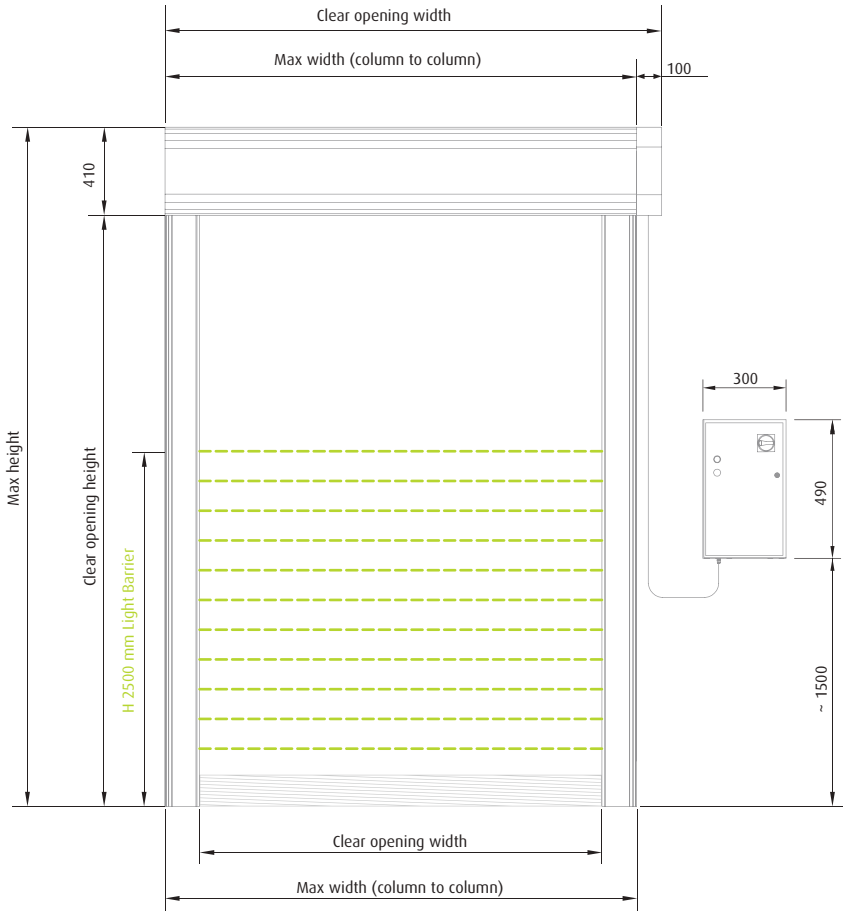
EN 13421

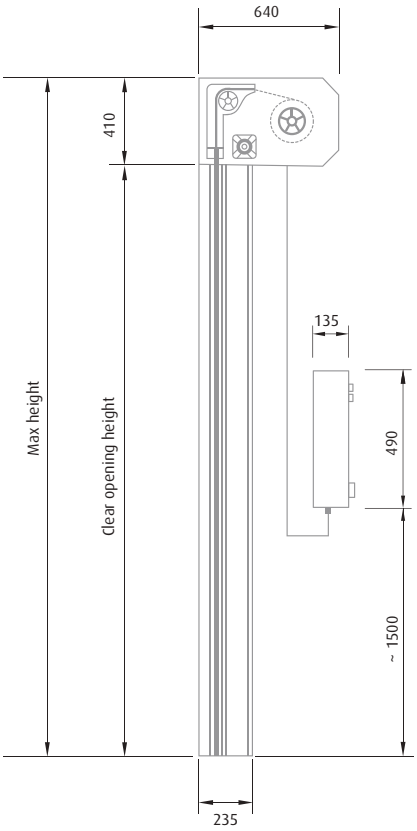




Light barrier safety system fitted on 2500mm of height avoids contact in every type of situation. Light barriers are cross fitted as represented at distance of 20mm from door edge.

OVERALL DIMENSIONS





PVC CHARACTERISTICS

STANDARD PVC

Composition and tests

EXTERNAL SIDE			
Material	Finishing	Colour	Thick
PVC	Opaque	18 standard	0,7 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	900 g/m²
INTERNAL SIDE			
Material	Finishing	Colour	Thick
PVC	Rough	18 standard	0,2 mm

COLD RESISTANCE
ISO 4675/90
-50°C ±5

HYDROLYSIS TEST
75°C 95% humidity
none variation

GAS OIL TEST
-
none variation

MARINE WATER TEST
-
none variation

OZONE TEST
ISO 3011
none crack

T. STORAGE
(°C)
-30 +65

FLAME TEST
ISO 3795
< 100 mm/min

PERFORATION
RINA 3.A1.2.7
(N) > 100

EXERCISE 7 days -70°C
ISO 6065
none variation

Characteristics

THICK
ISO 2286/3
(mm) 0,9±0,1

WEIGHT
ISO 2286/2
(kg/m2) 0,90±0,1

LOAD BREAK
ISO 1421
6000 N/50mm

WARP EXTENSION
ISO 1421
4300 N/50mm

TEXTURE EXTENSION
ISO 1421
4000 N/50mm

WARP BREAK
dIN 53363
(N) > 600

TEXTURE BREAK
dIN 53363
(N) > 530

ADHESION
dIN EN ISO 2411
130 N/50mm

EEC CONFORMITY
-
Yes

SPECIFIC USE
industry, refrigerators, car washes, supermarkets, warehouses

ASSOCIATION
-

Colours



Translucent Antistatic available

FDA (Food Drug Administration) certified pvc available

INSULATED PVC

Composition and tests

EXTERNAL SIDE			
Material	Finishing	Colour	Thick
PVC	Straight	6 standard	0,5 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	1350 g/m²
INTERNAL SIDE			
Material	Finishing	Colour	Thick
PVC	Sponge	6 standard	7 mm

COLD RESISTANCE
ISO 4675/90
-10°C ±5

HYDROLYSIS TEST
75°C 95% humidity
none variation

GAS OIL TEST
-
none variation

MARINE WATER TEST
-
none variation

OZONE TEST
ISO 3011
none crack

T. STORAGE
(°C)
-30 +65

FLAME TEST
ISO 3795
cl 2, NFPA 701 test 2

PERFORATION
RINA 3.A1.2.7
(N) > 100

EXERCISE 7 days -70°C
ISO 6065
none variation

Characteristics

THICK
ISO 2286/3
(mm) 7,0±0,1

WEIGHT
ISO 2286/2
(kg/m2) 1,7±0,1

LOAD BREAK
ISO 1421
6000 N/50mm

WARP EXTENSION
ISO 1421
3000 N/50mm

TEXTURE EXTENSION
ISO 1421
2800 N/50mm

WARP BREAK
dIN 53363
300 N

TEXTURE BREAK
dIN 53363
300 N

ADHESION
PA 09.03 (internal)
15 N/cm

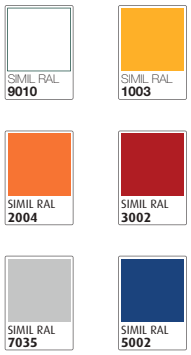
THERMAL CONDUCTIVITY
-
0,03782 W.m^{-1}

ISOLATION INDEX
-
Rw = 17,5 dB

EMPLOYMENT
Industry, refrigerators, car washes, supermarkets, warehouses

ASSOCIATION
-

Colours



OPTIONAL ACCESSORIES

RADAR



OPENING POINT
RADAR TOF/SPOT
for internal use only



INFRARED RADAR
with cross-movement
adjustment



INFRARED RADAR
motion and presence
(pedestrian/forklift) radar

TRAFFIC LIGHTS



GREEN FIXED STANDARD
traffic light



RED FIXED STANDARD
traffic light



LED TRAFFIC LIGHT
with countdown



LED TRAFFIC LIGHT
BARRIERS
(connection card included)

BUTTONS



OPENING GREEN
BUTTON
with box



OPENING BLACK
BUTTON
with box



FREEZE STOP
BUTTON
with box



NO TOUCH
BUTTON



TRAFFIC LIGHT
BUTTON
DUAL-FUNCTION
opening and
intermittent door
opening/closing
signaling



WIND GAUGE



KEY SELECTOR



REMOTE CONTROL



BOLLARD B-PROTECT



PULL CORD SWITCH



MAGNETIC LOOP DETECTOR