



HIGH
SPEED
DOORS



DynamicRoll®
B-DRIVE SP

PUSH & PULL

TECHNICAL DATA



The **B-DRIVE® SP** improves the basic model and represents a step forward to the innovation of self-repairing high-speed doors with PVC curtain. It's equipped with the innovative "push & pull" system and a special polyethylene coiling spiral, which allows the curtain to be rolled up without friction, extending its life.

The push & pull opening and closing system is not gravity fed, as the other types of self-repairing rapid doors, but thanks the motor driven operation the curtain is opened and closed mechanically.

The patented curtain with its new and resistant high-density polyzene/polyethylene zip prevents twisting movements and therefore jamming in case of impact or during the re-pulling operation in the post impact guide. The patented "V" shaped upper part of the curtain also guarantees perfect coiling on the guide and high silence.

The high-density polyzene/polyethylene guide is also patented and does not have any self-repairing cuts, which instead many similar competitive models have.

B-DRIVE® doors allow self-repairing at the exact point of impact and not, like other models on the market, at the end of the rail. The motorisation has also improved its performance, reaching the 3 m/s.

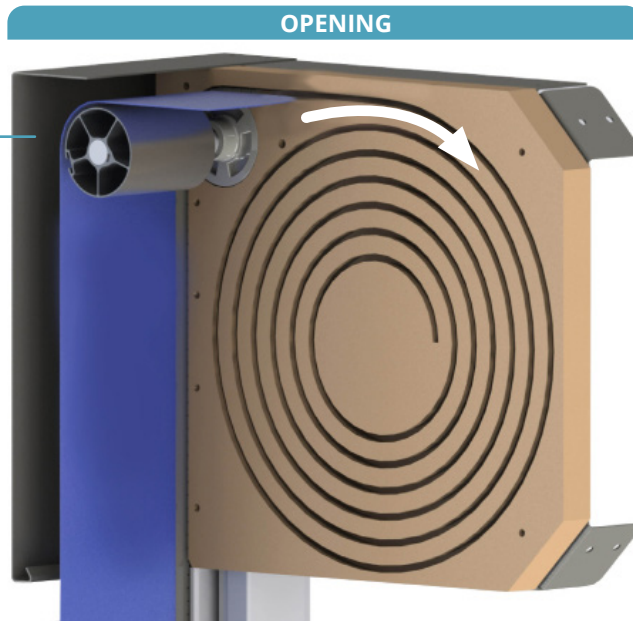
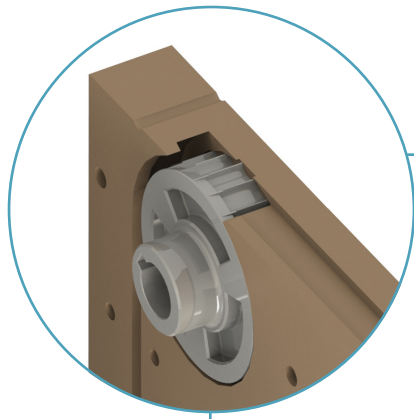
MAX OPENING DIMENSIONS*	W 4.000 mm x H 4.000 mm
SPEED	Up to 3 m/s
WIND LOAD** <i>differential pressure</i>	< 5.000 mm: class 5
DOOR OPERATION WITH WIND LOAD	Up to 100 km/h
FRAME	<ul style="list-style-type: none"> Galvanized steel Stainless Steel Power coated
CURTAIN	<ul style="list-style-type: none"> 1.300 g/m² 12x12 1.700 g/m² insulated Antistatic
WINDOWS	Anti UV Transparent PVC 1 mm thickness
VERTICAL GUIDES MATERIAL	Frame in Galvanized steel with sliding guides in polyzene 1.000.000 cycles
MOTOR	Direct drive with worm gearboxes
SAFETY	Infrared light curtain H 2500 (CE EN 13241)
POWER SUPPLY	3 phase 230 - 380 - 500 V - 50/60 Hz
SELF-REPAIR	Instantaneous at the point of release of the curtain
WORKING TEMPERATURE	-30° +70° C ***
SOUND INSULATION <i>standard</i>	18 db ****
WATER RESISTANCE	Class 3 (rif. EN 12425)
AIR PERMEABILITY	Class 1
THERMAL TRANSMISSION	Standard 5.8 W m ² k
	Insulated 3.2 W m ² k

* different sizes on demand

** higher resistance wind load on demand

*** by heating cable

**** depends by frequency

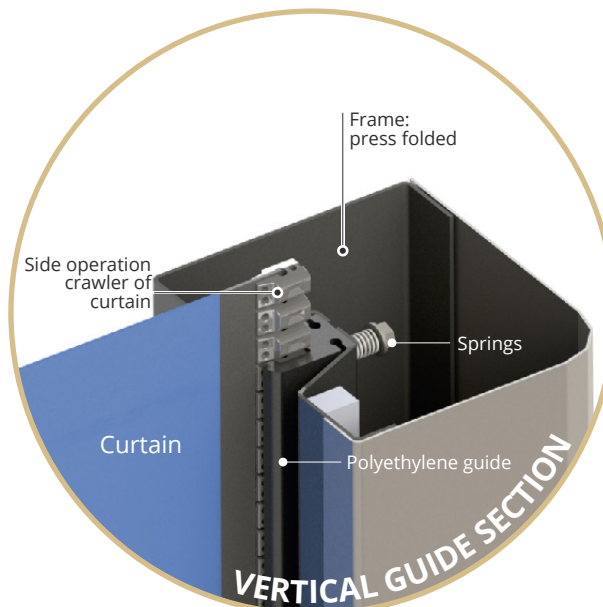
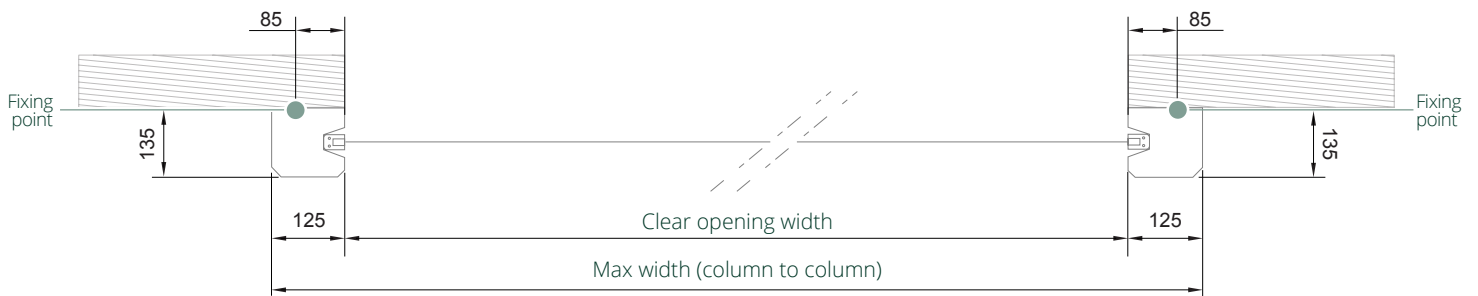


ANTIDROP SYSTEM

EN 13241/CE

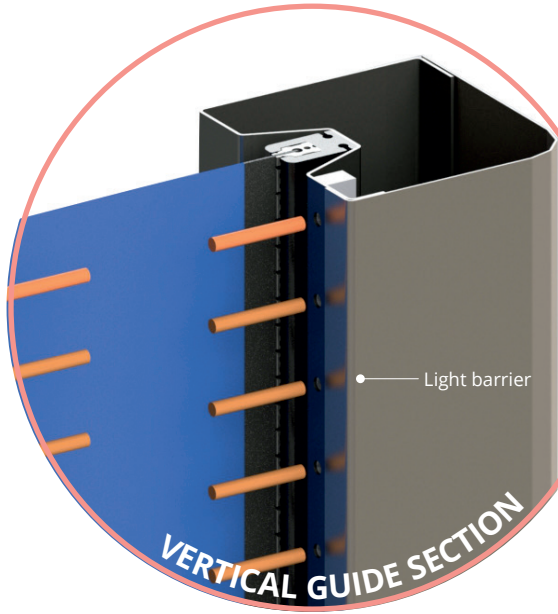
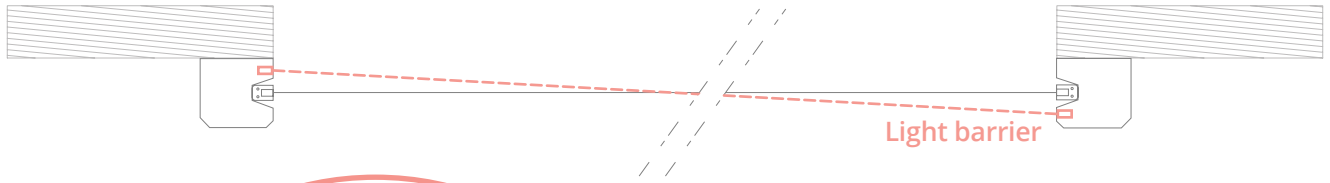
Curtain is without ballast. Its weight doesn't effect the gearmotor. In case of failure of any traction part, curtain stays in position and does not move or fall.

COLUMNS



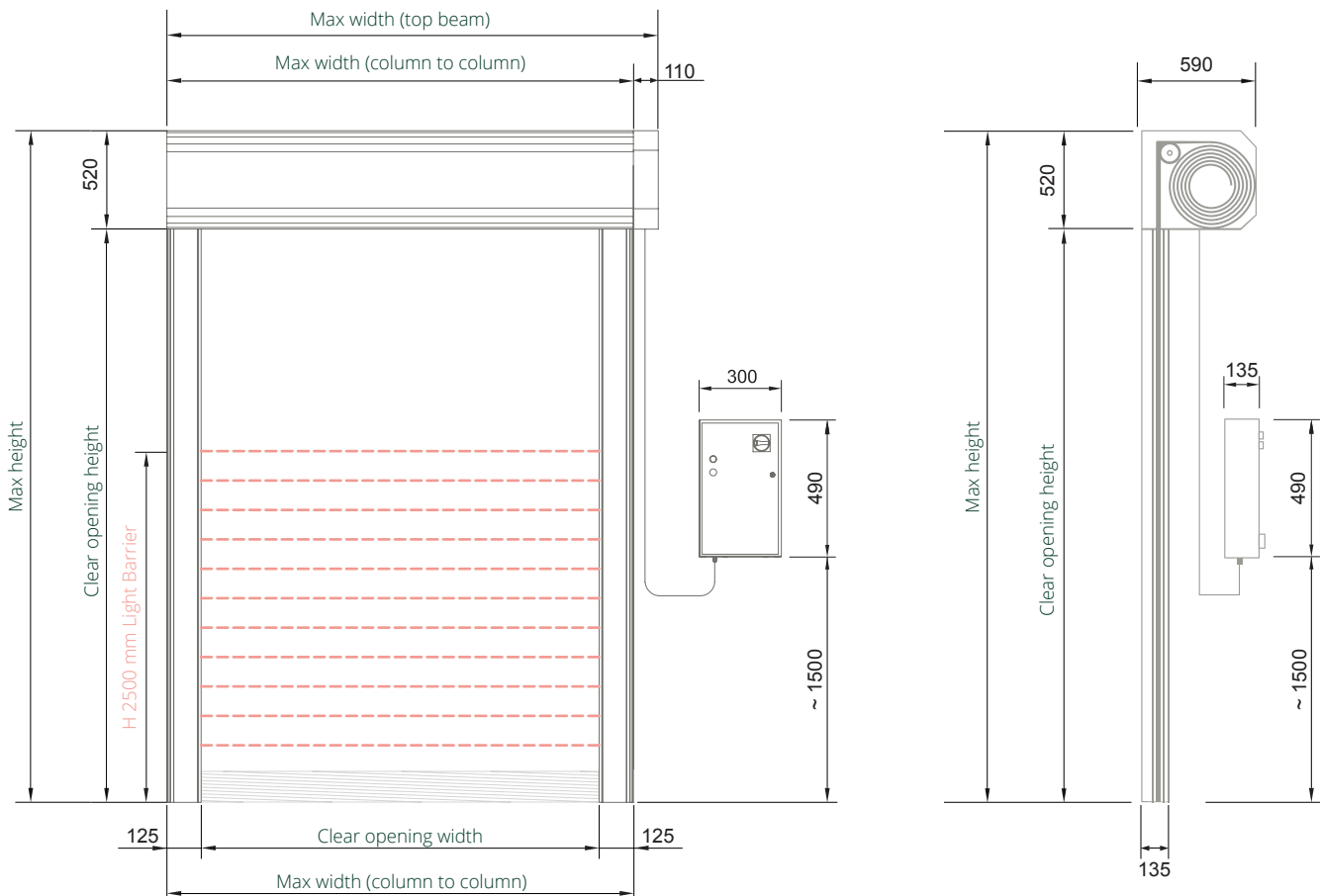
ANTICRUSH SAFETY SYSTEM

EN 13421



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

OVERALL DIMENSIONS



PVC CHARACTERISTICS

STANDARD PVC

Composition and tests



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

Colors



 Translucent  Antistatic available
FDA (Food Drug Administration) certified pvc available

INSULATED PVC

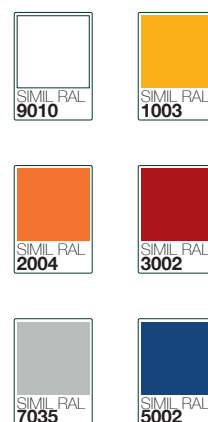
Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Straight	6 standard	0,5 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	1350 g/m ²
INTERNAL SIDE			
Material	Finishing	Color	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/m ²) 1,7±0,1
LOAD BREAK ISO 1421 6000 N/50mm
WARP EXTENSION ISO 1421/V1 3000 N/50mm
TEXTURE EXTENSION ISO 1421/V1 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 -

Colors



CRISTAL CHARACTERISTICS

PVC SUPERCLEAR

! SUITABLE ONLY FOR POSITIVE TEMPERATURE ENVIRONMENTS

WINDOWS - CRISTAL TECHNICAL DATA

Article	SUPERCLEAR 0.75 mm FR
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Technical specifications	Standards	Unit	Values
Thickness	-	mm.	0.75
PVC total weight	-	g/m ²	940
Light transmission	JIS K - 7361	%	87.5
Tensile strength <i>Lengthwise MD</i>	JIS K - 6732	N	26.6
Tensile strength <i>Crosswise TD</i>	JIS K - 6732	N	24.2
Tear strength <i>Lengthwise MD</i>	JIS K - 6732	N	55.6
Tear strength <i>Crosswise TD</i>	JIS K - 6732	N	57.4
Elongation <i>Lengthwise MD</i>	JIS K - 6732	%	406
Elongation <i>Crosswise TD</i>	JIS K - 6732	%	414
Cold crack resistance	JIS K - 6772	°C	-40

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

