



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.

**BDRIVE®** 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.

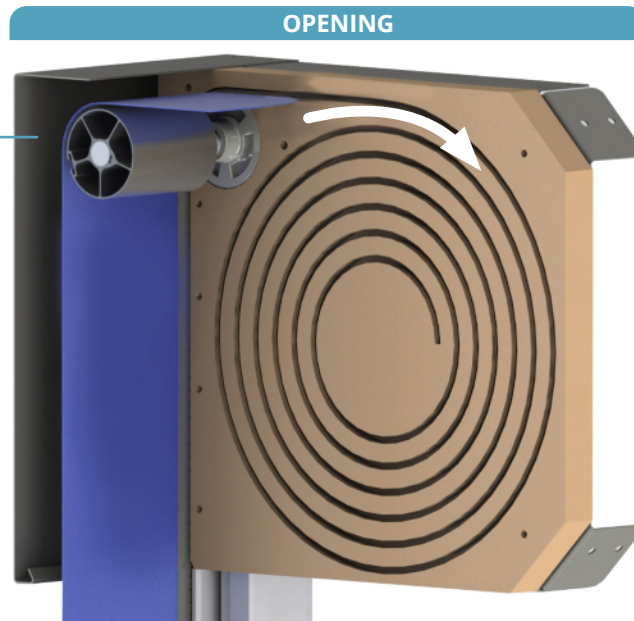
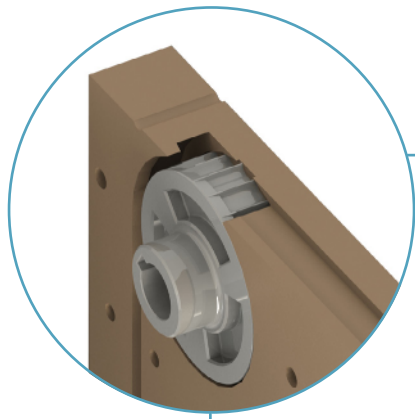
MAX OPENING DIMENSIONS*	W 4.000 mm x H 4.000 mm
SPEED	Up to 3 m/s
WIND LOAD** <i>differential pressure</i>	< 5.000 mm: <b>class 5</b>
DOOR OPERATION WITH WIND LOAD	Up to 100 km/h
FRAME	<ul style="list-style-type: none"> <li>Galvanised steel</li> <li>Stainless Steel</li> <li>Power coated</li> </ul>
CURTAIN	<ul style="list-style-type: none"> <li>1.300 g/m<sup>2</sup> 12x12</li> <li>1.700 g/m<sup>2</sup> insulated</li> <li>Antistatic</li> </ul>
WINDOWS	Anti UV Transparent PVC 1 mm thickness
VERTICAL GUIDES MATERIAL	Frame in Galvanised 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	<b>Standard</b> 5.8 W m <sup>2</sup> k
	<b>Insulated</b> 3.2 W m <sup>2</sup> k

\*different sizes on demand

\*\*higher resistance wind load on demand

\*\*\*by heating cable

\*\*\*\*depends by frequency

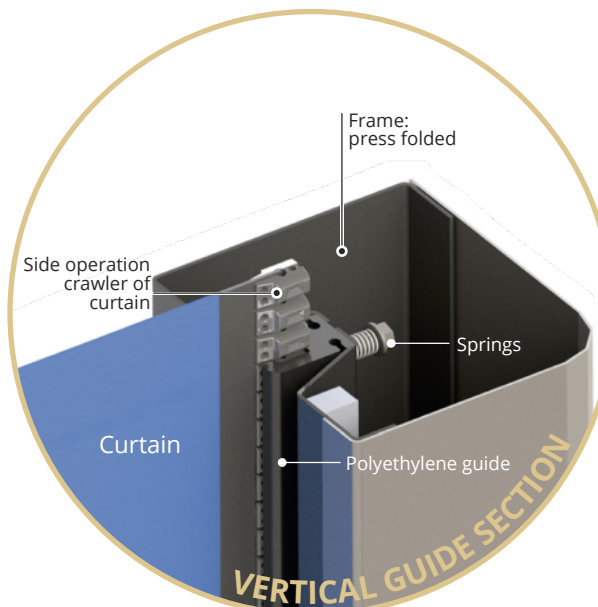
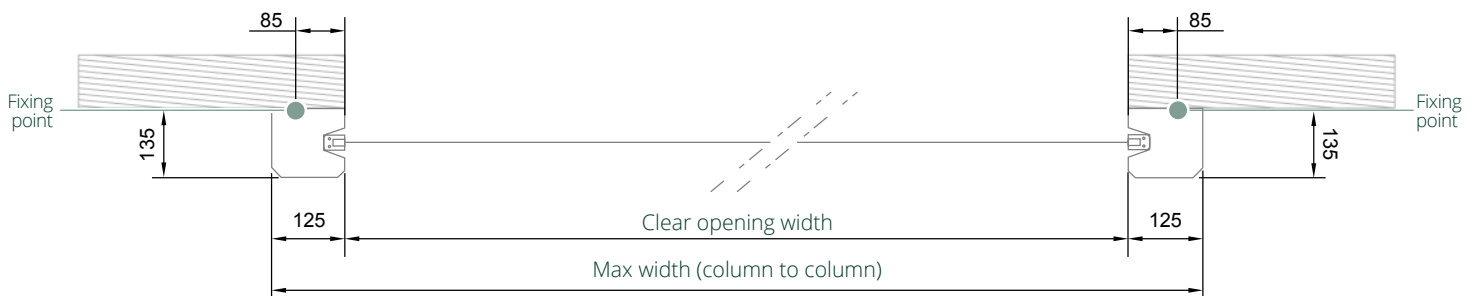


## ANTIDROP SYSTEM

EN 13241/CE

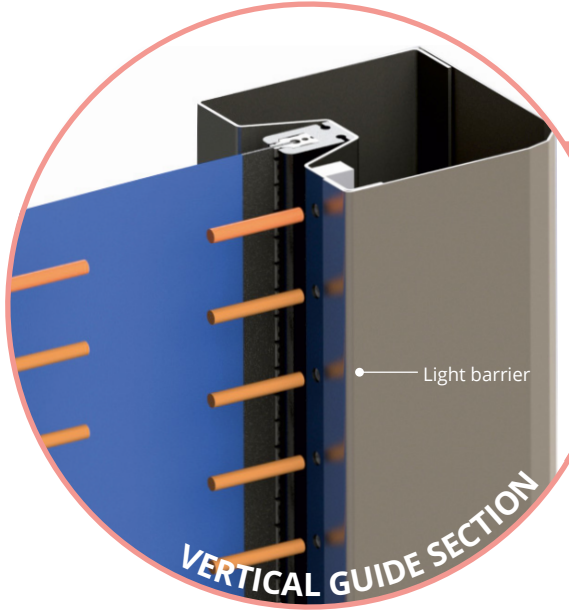
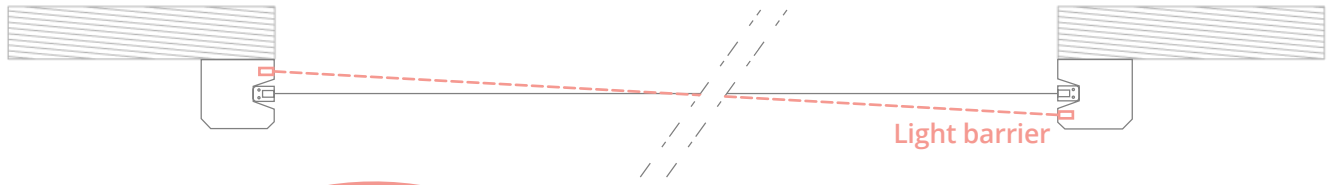
Curtain is without ballast. Its weight doesn't effect the gearmotor. In case of failure of any traction part, curtain stays in position and does not move or fall.

## COLUMNS



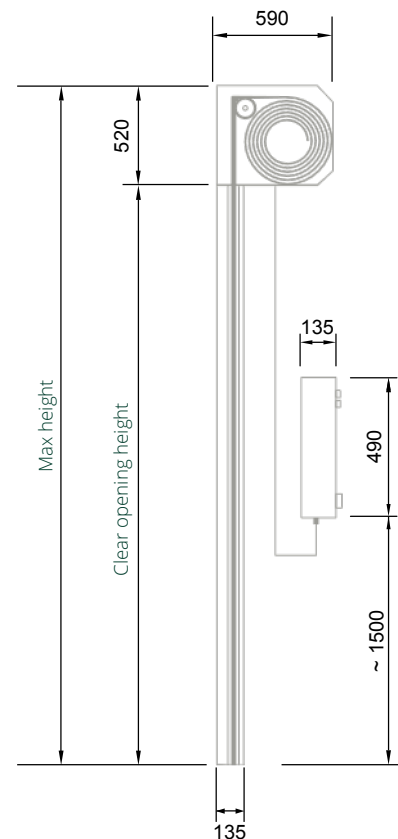
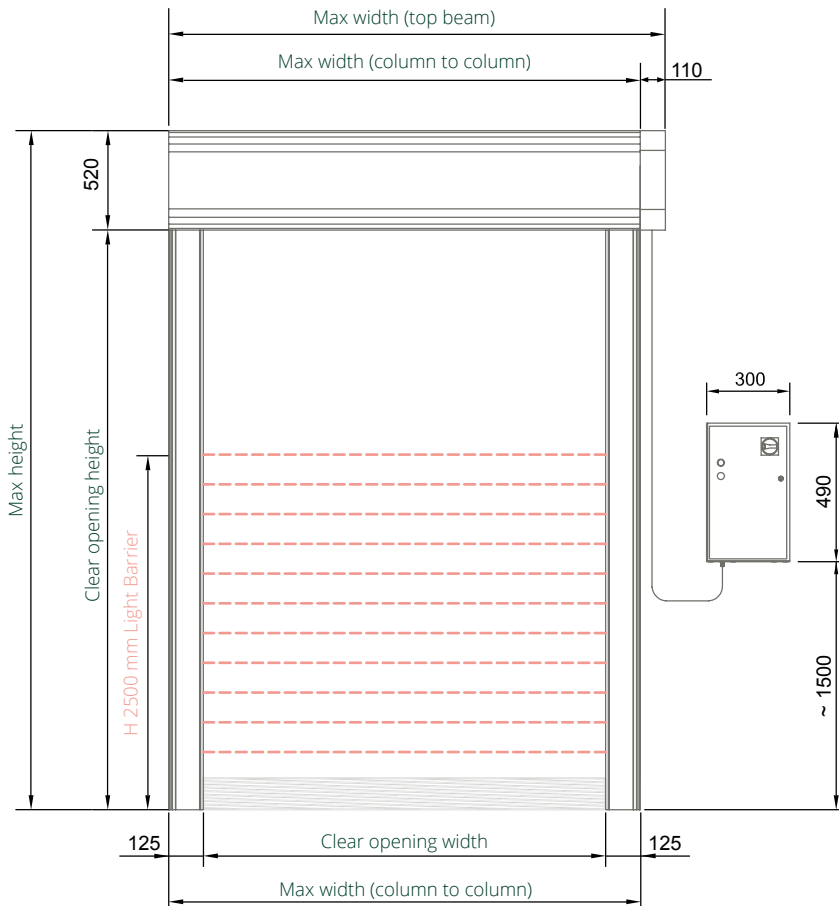
# ANTICRUSH SAFETY SYSTEM

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

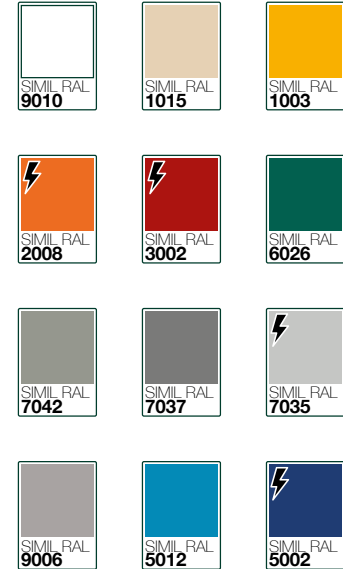
### Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Opaque	12 standard	0,7 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	900 g/m <sup>2</sup>
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Rough	12 standard	0,2 mm
<b>COLD RESISTANCE</b> ISO 4675/90 -50°C ±5			
<b>HYDROLYSIS TEST</b> 75°C 95% humidity none variation			
<b>GAS OIL TEST</b> ISO 1421 none variation			
<b>MARINE WATER TEST</b> (ISO 1421) none variation			
<b>OZONE TEST</b> ISO 3011 none crack			
<b>T. STORAGE</b> (°C) -30 +65			
<b>FLAME TEST</b> (ISO 3795) < 100 mm/min			
<b>PERFORATION</b> RINA 3.A1.2.7 (N) > 100			
<b>EXERCISE 7 days -70°C</b> ISO 6065 none variation			

### Characteristics

<b>THICK</b> ISO 2286/3 (mm) 0,9±0,1
<b>WEIGHT</b> ISO 2286/2 (kg/m <sup>2</sup> ) 0,90±0,1
<b>LOAD BREAK</b> ISO 1421 6000 N/50mm
<b>WARP EXTENSION</b> ISO 1421 4300 N/50mm
<b>TEXTURE EXTENSION</b> ISO 1421 4000 N/50mm
<b>WARP BREAK</b> dIN 53 363 (N) > 600
<b>TEXTURE BREAK</b> dIN 53 363 (N) > 530
<b>ADHESION</b> dIN EN ISO 2411 130 N/50mm
<b>EEC CONFORMITY</b> Yes
<b>SPECIFIC USE</b> industry, refrigerators, car washes, supermarkets, warehouses
<b>ASSOCIATION</b> -

### Colors



Antistatic available

## INSULATED PVC

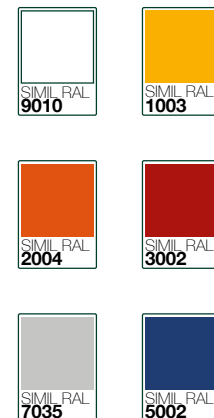
### Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Straight	4 standard	0,5 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	1350 g/m <sup>2</sup>
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Sponge	4 standard	7 mm
<b>COLD RESISTANCE</b> ISO 4675/90 -10°C ±5			
<b>HYDROLYSIS TEST</b> 75°C 95% humidity none variation			
<b>GAS OIL TEST</b> ISO 1421 none variation			
<b>MARINE WATER TEST</b> (ISO 1421) none variation			
<b>OZONE TEST</b> ISO 3011 none crack			
<b>T. STORAGE</b> (°C) -30 +65			
<b>FLAME TEST</b> ISO 3795 cl 2, NFPA 701 test 2			
<b>PERFORATION</b> RINA 3.A1.2.7 (N) > 100			
<b>EXERCISE 7 days -70°C</b> ISO 6065 none variation			

### Characteristics

<b>THICK</b> ISO 2286/3 (mm) 7,0±0,1
<b>WEIGHT</b> ISO 2286/2 (kg/m <sup>2</sup> ) 1,7±0,1
<b>LOAD BREAK</b> ISO 1421 6000 N/50mm
<b>WARP EXTENSION</b> ISO 1421/V1 3000 N/50mm
<b>TEXTURE EXTENSION</b> ISO 1421/V1 2800 N/50mm
<b>WARP BREAK</b> dIN 53 363 300 N
<b>TEXTURE BREAK</b> dIN 53 363 300 N
<b>ADHESION</b> PA 09.03 (internal) 15 N/cm
<b>THERMAL CONDUCTIVITY</b> 0,03782 W.m <sup>-1</sup>
<b>ISOLATION INDEX</b> Rw= 17,5 dB
<b>EMPLOYMENT</b> industry, refrigerators, car washes, supermarkets, warehouses
<b>ASSOCIATION</b> -

### Colors



# CRISTAL CHARACTERISTICS

PVC SUPERCLEAR

## WINDOWS - CRISTAL TECHNICAL DATA

Article	SUPERCLEAR 1.2 mm FR
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Technical Specifications	Standards	Unit	Values
Thickness	-	mm.	1.2
PVC total weight	-	g/m <sup>2</sup>	1200
Ligth transmission	JIS K - 7361	%	97.3
Tensile strength <i>Lenghtwise MD</i>	JIS K - 6732	N	26.1
Tensile strength <i>Crosswise TD</i>	JIS K - 6732	N	24.3
Tear strength <i>Lenghtwise MD</i>	JIS K - 6732	N	63.4
Tear strength <i>Crosswise TD</i>	JIS K - 6732	N	63.9
Elongation <i>Lenghtwise MD</i>	JIS K - 6732	%	377
Elongation <i>Crosswise TD</i>	JIS K - 6732	%	378
Cold crack resistance	JIS K - 6772	°C	-45

## 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



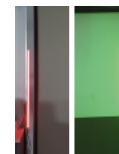
GREEN FIXED STANDARD  
traffic light



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



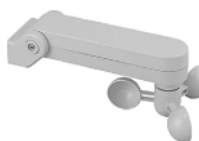
FREEZE STOP  
BUTTON  
with box



NO TOUCH  
BUTTON



TRAFFIC  
LIGHT  
BUTTON



WIND GAUGE



KEY  
SELECTOR



REMOTE CONTROL



BOLLARD B-PROTECT



PULL CORD SWITCH



MAGNETIC LOOP DETECTOR

Quality products since 1997

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