



HIGH
SPEED
DOORS



DynamicRoll

FOOD PE

TECHNICAL DATA



HIGH SPEED
Up to 2 m/s



HIGH SAFETIES



SELF-REPAIRING



OIL FREE



POLYETHYLENE CURTAIN
ALIMENTARY



WASHABLE



GRAVITY
TECHNOLOGY

MAXIMUM DIMENSIONS	W 4500 mm x H 3800 mm
SPEED	Max opening speed Up to 2 m/s
	Closing speed 0,6 m/s
CYCLES TEST	1.000.000
WIND RESISTANCE	Class 0
STRUCTURE	Not self-supporting
FRAME	Standard Polyethylene HD 1.000.000
MOTOR COVER	Stainless Steel
CURTAIN	Standard PVC curtain 1300 gr/m², 6 W/m²K
	Optional • Translucent 35/40% • FDA (white) • Antistatic
SLIDING SYSTEM	Patented sliding system with high density Polyzene self-lubricant equipped of sliding zipper directly on curtain
CONTROL PANEL	Standard PVC box IP65 (300 x 400 x 150 mm)
	Optional • Stainless Steel • Powder coated steel box IP54 (300 x 500 x 150 mm)
	Inverter system 50/60 Hz with absolute encoder
	Power supply 1-ph, 230V max 16A
	Power supply 3-ph, 400V max 10A
	Power supply 3-ph, 230V max 16A
	Start/ Stop button
	2 free contacts (door open/closed/alert)
	Automatic/ Manual Interlocking between 2 doors
	IP rating for motor and control panel IP54
WIRING	Plug and Play system IP65
SAFETIES	Standard • Photocells set IP65 • Anti-jam sensor reverse
	Optional • WiFi safety edge IP65
EMERGENCY OPENING	Standard Hand crank
	Optional • Chain system • UPS battery
ADVISING OPERATIVE TEMPERATURE	Operating till positive temperature (> 0°C) Not apt to be installed in negative/positive temperature

DynamicRoll® FOOD PE is a self-repairing roll up door studied to environments, where hygiene is the most important issue. Its Polyethylene frame is designed to be sanitized in all its parts, without removal or disassembly of any profiles or covers with related problems in assembling again all screws and external elements.

Columns come out from a Polyethylene monolithic section, where the zippers on the curtain run inside.

The specifically designed zip guide system allows the curtain to exit the guides in the event of impact and reinsert in one cycle.

EN13241 CERTIFICATION

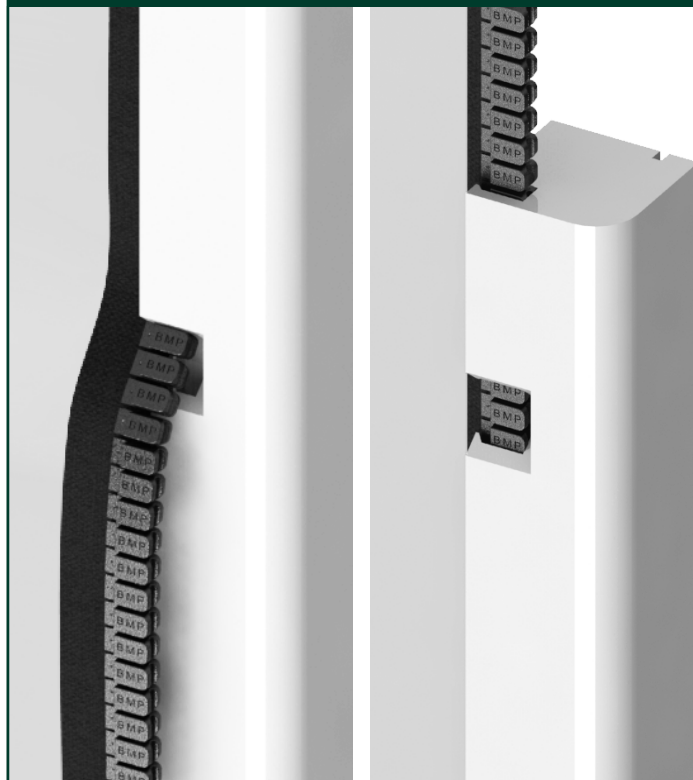
STANDARD	RIF.	TEST ACC.	RESULTS
WATER PERMEABILITY	EN 12425	EN 12489	Class 1
WIND LOAD	EN 12424	EN 12444	Class 0
AIR PERMEABILITY	EN 12426	EN 12427	Class 0
SAFE OPENINGS	EN 12453	EN 12445	✓
MECHANICAL RESISTANCE	EN 12604	EN 12605	✓
UNINTENDED MOVEMENTS	EN 12604	EN 12605	✓
THERMAL TRANSMITTANCE	EN 12428	EN 12428	6,02 W/m²K
PERFORMANCE (CYCLES)	EN 12604	EN 12605	1.000.000

Values can change depending on door dimensions

ADVANTAGES

- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & play (easy to install)
- Low maintenance
- Energy savings
- Sanitized in all parts
- Easily washable
- Hygienic

SLIDING SYSTEM / SELF-REPAIRING

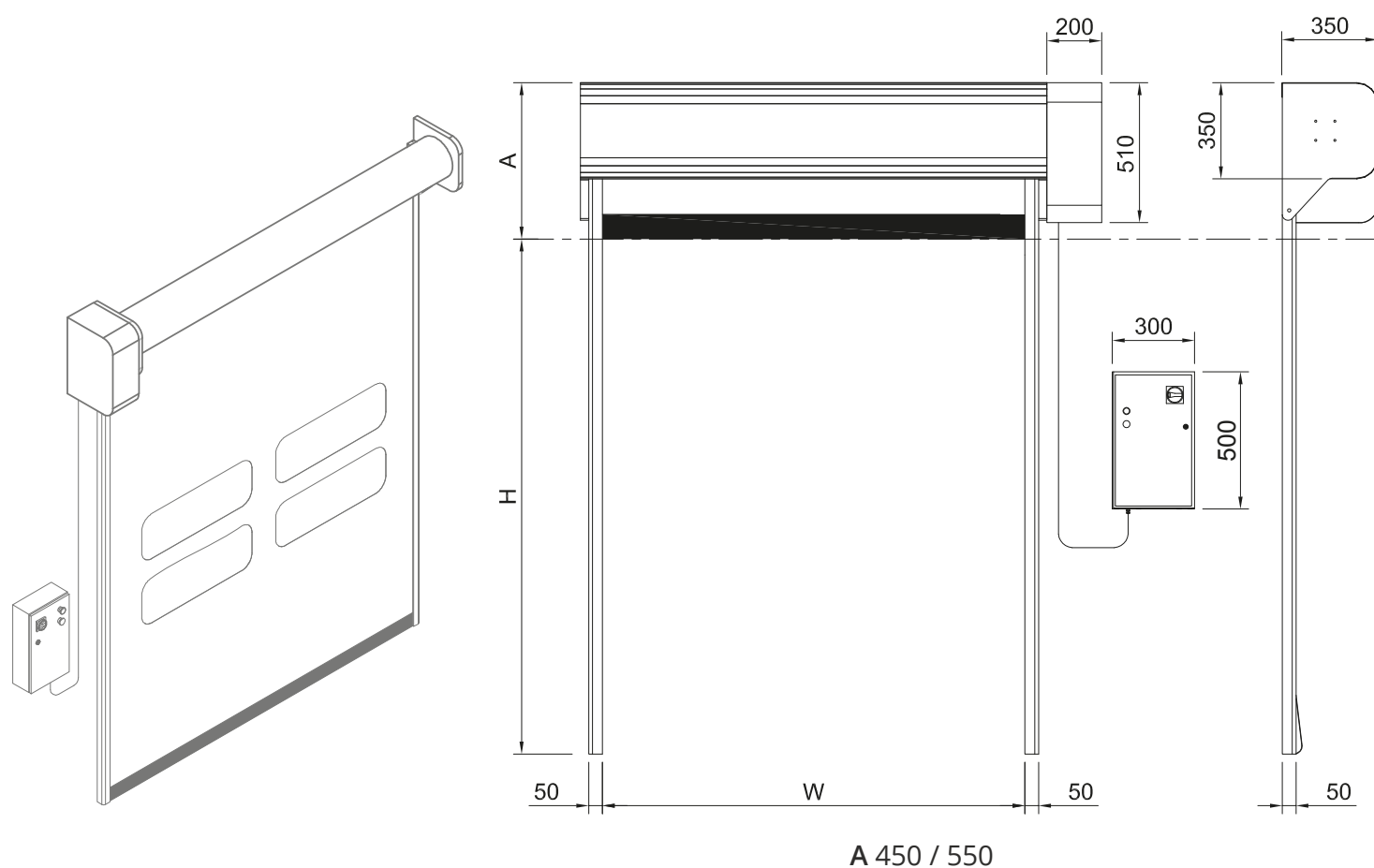


APPLICATION

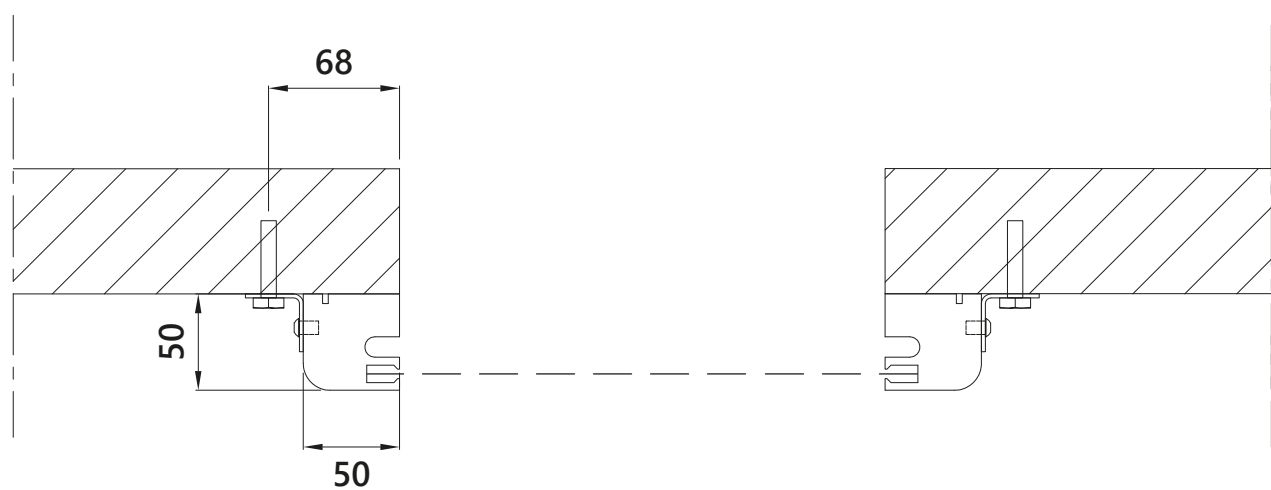


Agriculture / Food industry

DOOR SPACE REQUIREMENTS



FIXING DETAILS



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/m²
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/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 -

Colors



Translucent ⚡ Antistatic available

INSULATED PVC

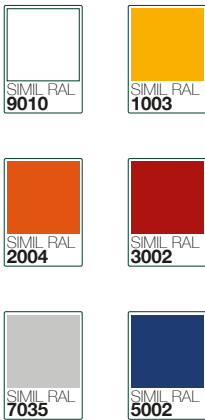
Composition and tests

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/m²
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/m2) 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 1.2 mm FR
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Technical specifications	Standards	Unit	Values
Thickness	-	mm.	1.2
PVC total weight	-	g/m ²	1200
Light transmission	JIS K - 7361	%	97.3
Tensile strength <i>Lengthwise MD</i>	JIS K - 6732	N	26.1
Tensile strength <i>Crosswise TD</i>	JIS K - 6732	N	24.3
Tear strength <i>Lengthwise MD</i>	JIS K - 6732	N	63.4
Tear strength <i>Crosswise TD</i>	JIS K - 6732	N	63.9
Elongation <i>Lengthwise MD</i>	JIS K - 6732	%	377
Elongation <i>Crosswise TD</i>	JIS K - 6732	%	378
Cold crack resistance	JIS K - 6772	°C	-45
Flame retardancy	-	-	si
Hardness	-	-	4.0S
Standard length	-	m	30
Standard width	-	m	1.37

FDA CERTIFICATED PVC

Food Drug Administration

TECHNICAL DATA			
Composition and tests			
TOP FACE COATING			
Material	Finish	Color	Thickness
PUR	Opaque	White	0,6 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PET	1	2200 Dtex 12x12	1500 g/m ²
UNDERSIDE COATING			
Material	Finish	Color	Thickness
PUR	Plain	White	0,6 mm
COLD RESISTANCE			
ISO 4675/90			
-30°C ±5			
TROPICAL TEST			
75°C 95% humidity			
none variation			
DIESEL FUEL TEST			
-			
none variation			
SEA WATER TEST			
-			
none variation			
OZONE TEST			
ISO 3011			
none crack			
T. STORAGE			
(°C)			
-30 +65			
ABRASION			
ISO 5470/80, 5N C517 400 cycles			
(mg) 1			
PUNCTURE			
RINA 3.A1.2.7			
(N) > 125			
EXERCISE 7 days -70°C			
ISO 6065			
none variation			
Characteristics			
THICKNESS			
ISO 2286/3			
(mm) 1,20±0,1			
WEIGHT			
ISO 2286/2			
(kg/m ²) 1,30±0,1			
TENSILE STRENGTH WARP			
ISO 1421			
6000 N / 50mm			
ELONGATION YARN			
ISO 1421			
[%] > 14			
ELONGATION WEFT			
ISO 1421			
[%] > 20			
TEAR RESISTANCE WARP			
dIN 53363			
(N) > 250			
TEAR RESISTANCE WEFT			
dIN 53363			
(N) > 220			
PEELING TEST			
dIN EN ISO 2411			
130 N/50mm			
FDA COMPLIANCE CEE			
Yes			
SPECIFIC USE			
cleanrooms, clinical, hospital			
ASSOCIATION			
DynamicRoll			
Disclaimer			
The information contained in this document describes the features of the BMP EUROPE product as tested in a laboratory, other indications excepted, environment at a temperature of +23 degrees °C at 50% relative humidity. It does not necessarily reflect the conditions of industrial use and it does not guarantee the product to be suitable for certain applications. The client remains liable for the proper selection and correct use of the BMP EUROPE product. BMP EUROPE cannot be held responsible should damages arise from the use of its products. Necessary alterations to this data can be made without prior notice.			

OPTIONAL ACCESSORIES



RADAR



OPENING POINTING RADAR
TOF/SPOT
for internal use only



INFRARED RADAR
with cross-movement
adjustment



INFRARED RADAR
motion and presence
(pedestrian/forklift) radar

TRAFFIC LIGHTS



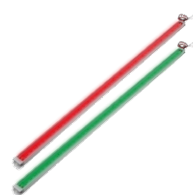
GREEN FIXED STANDARD
traffic light



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

Quality products since 1997

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