BMP HIGH SPEED DOORS

FOOD INOX

TECHNICAL DATA

HIGH SPEED
2,5 m/s

HIGH SAFETIES

SELF-REPAIRING

OIL FREE

WATER DRAIN

WASHABLE

GRAVITY TECHNOLOGY

MAXIMUM DIMENSIONS	**W** 6500 mm x **H** 6500 mm
SPEED	2,5 m/s
CYCLES TEST	1.000.000
WIND RESISTANCE	3000 x 3000 Class 3 5000 x 5000 Class 2
STRUCTURE	Not self-supporting
FRAME / MOTOR COVER HOOD	**Standard** Stainless Steel 441
	Optional Stainless Steel 304/316
CURTAIN	**Standard** PVC curtain 900 gr/m²
	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 (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 • Multi ray light curtain barrier H 2500 IP67
EMERGENCY OPENING	**Standard** Hand crank
	Optional Chain system UPS battery
ADVISING OPERATIVE TEMPERATURE	Operating till -30 C° with heating kit added - Not apt to be installed in negative/positive temperature

DynamicRoll® FOOD INOX is a self-repairing roll up door, with specific features to satisfy all Food process requirements.
Designed with special attention to hygiene. This door has Food certifications in several countries. Characterized by the Stainless Steel frame and designed to prevent the build up of collecting of liquid, dust or any impurity on the frame, this door is washable in all parts respecting the hygienic restrictions of the field. Its speed will let the door maintain the different characteristics of the environment they are located in.

EN13241 CERTIFICATION

STANDARD	RIF.	TEST ACC.	RESULTS
WATER PERMEABILITY	EN 12425	EN 12489	Class 1
WIND LOAD	EN 12424	EN 12444	Maximum Class 4
AIR PERMEABILITY	EN 12426	EN 12427	Class 1
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

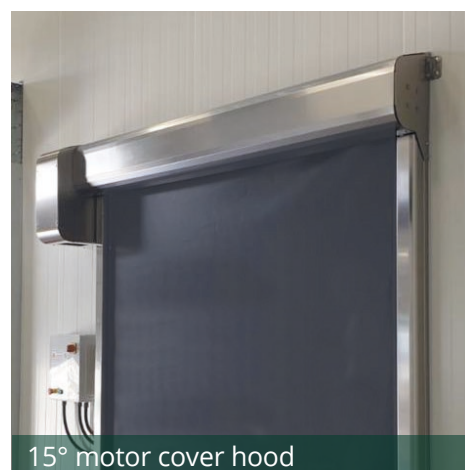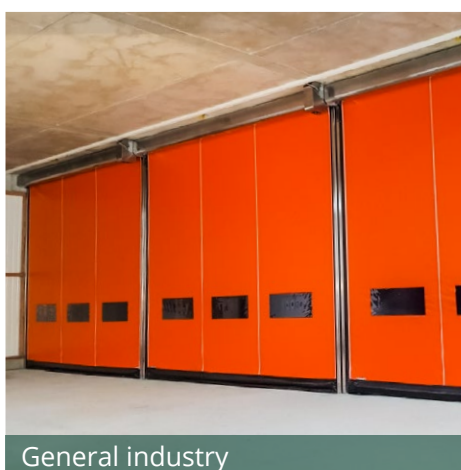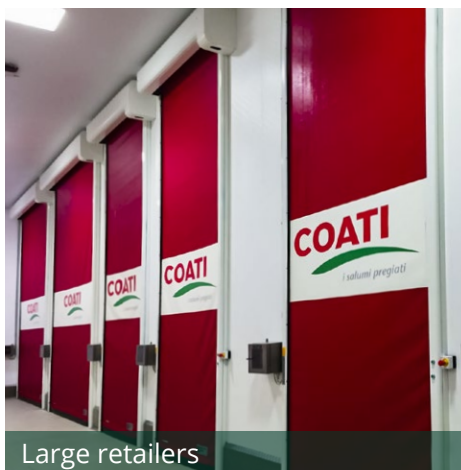Values can change depending on door dimensions

ADVANTAGES

- Self-repairing
- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & Play (easy to install)
- Low maintenance
- Energy savings
- Washable
- Hygienic

SLIDING SYSTEM / SELF-REPAIRING

APPLICATIONS

Food and agriculture industry

Large retailers

Chemical

Pharmaceutical

General industry

15° motor cover hood

DOOR SPACE REQUIREMENTS

200

510

350

A

350

A

60

A

300

500

H

A

W

90

90

90

90
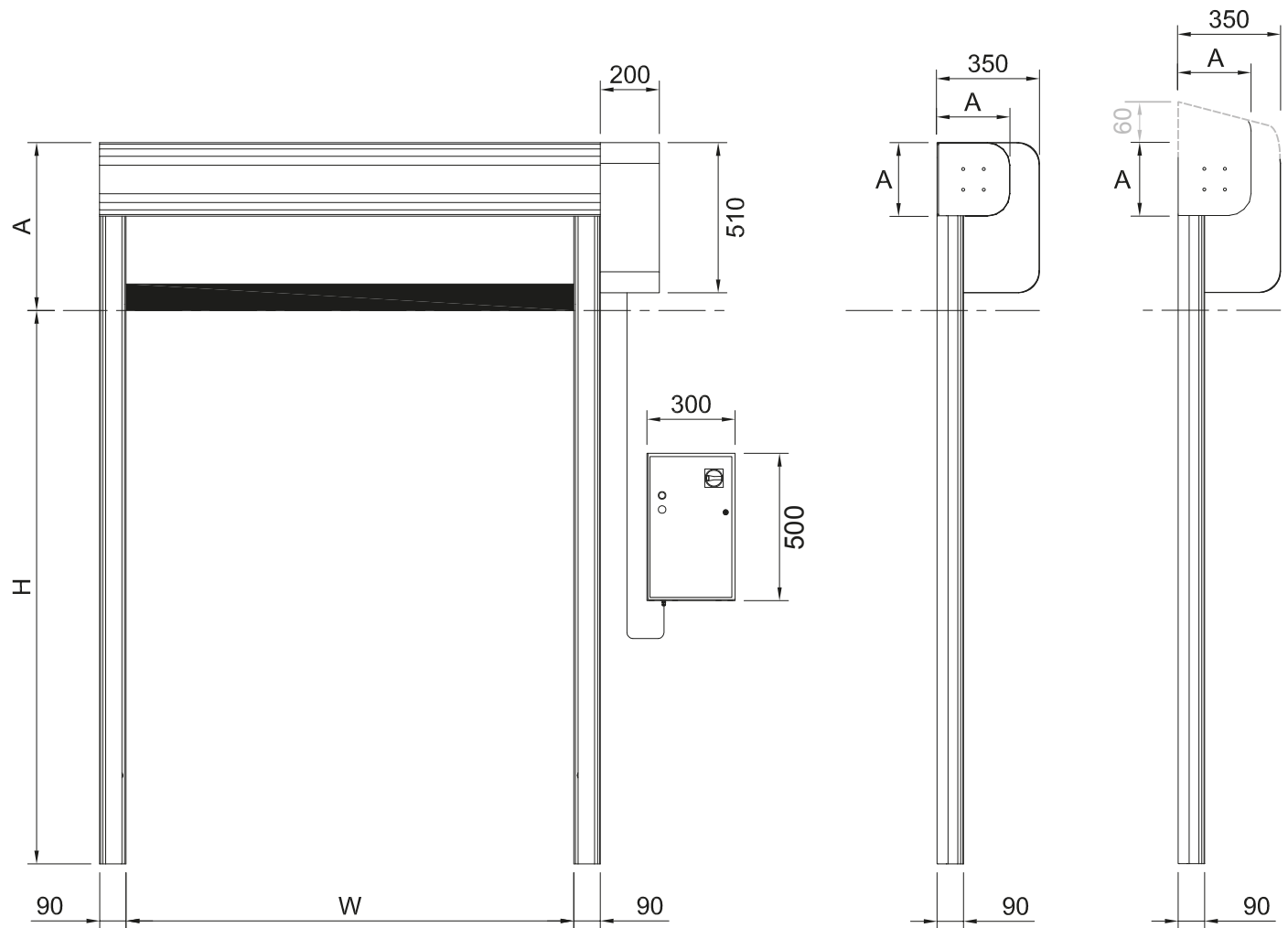
< H 3000 **A** = 250
> H 3000 **A** = 350

15° motor
cover hood

FIXING DETAILS

100

50

190

90

55

90

90
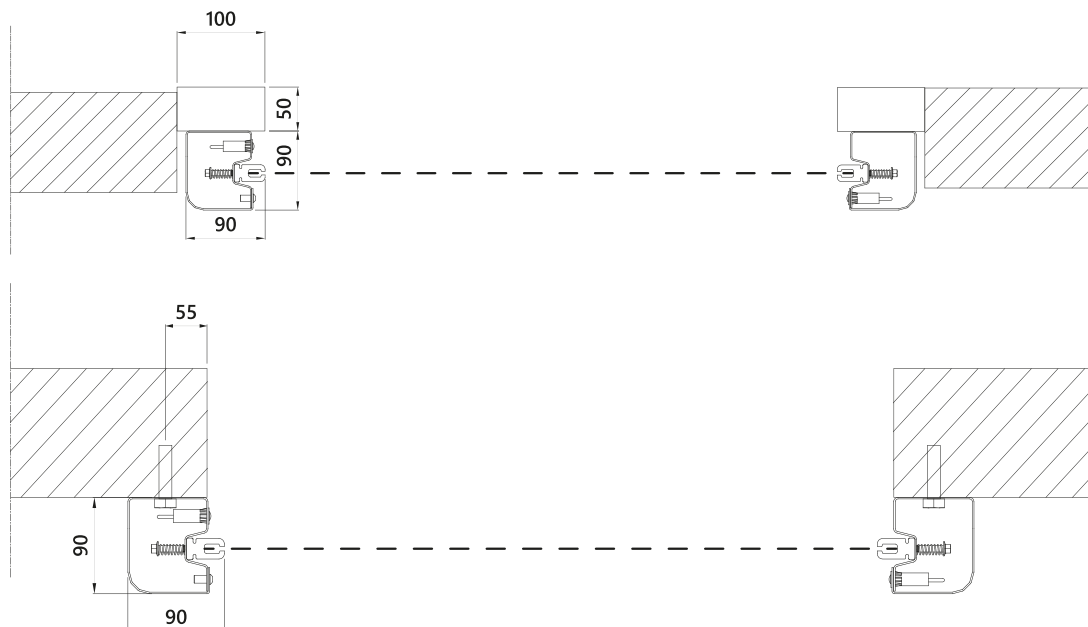
PVC CHARACTERISTICS

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

SIMIL RAL 9005
SIMIL RAL 9010
SIMIL RAL 1015
SIMIL RAL 1003
SIMIL RAL 2009
SIMIL RAL 3002
SIMIL RAL 6026
SIMIL RAL 6018
SIMIL RAL 7042
SIMIL RAL 7037
SIMIL RAL 7035
SIMIL RAL 8017
SIMIL RAL 9006
SIMIL RAL 5012
SIMIL RAL 5002
SIMIL RAL 5010
SIMIL RAL 7016
SIMIL RAL 9010

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

SIMIL RAL 9010
SIMIL RAL 1003
SIMIL RAL 2004
SIMIL RAL 3002
SIMIL RAL 7035
SIMIL RAL 5002
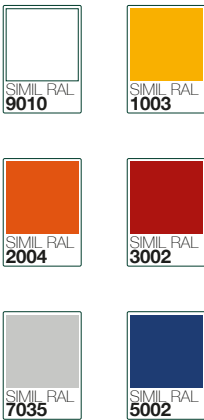
CRISTAL CHARACTERISTICS
PVC SUPERCLEAR

⚠ **SUITABLE ONLY FOR POSITIVE TEMPERATURE ENVIRONMENTS**

WINDOWS - *CRISTAL*
TECHNICAL DATA

Article	SUPERCLEAR 1.2 mm FR

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 *Lengthwise MD*	JIS K - 6732	N	26.1
Tensile strength *Crosswise TD*	JIS K - 6732	N	24.3
Tear strength *Lengthwise MD*	JIS K - 6732	N	63.4
Tear strength *Crosswise TD*	JIS K - 6732	N	63.9
Elongation *Lengthwise MD*	JIS K - 6732	%	377
Elongation *Crosswise TD*	JIS K - 6732	%	378
Cold crack resistance	JIS K - 6772	°C	-45
Flame retardancy	-	-	sì
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/m²

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/m2) 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