



HIGH
SPEED
DOORS



DynamicRoll®

DynamicRoll® one



TECHNICAL DATA



HIGH SPEED
Up to 1,2 m/s



SAFE




SELF-REPAIR



OIL FREE



GRAVITY TECHNOLOGY

| | |
|---------------------------------------|---|
| MAXIMUM DIMENSIONS | W 3000 mm x H 3500 mm |
| SPEED | Max opening speed up to 1,2 m/s |
| | Closing speed 0,8 m/s adjustable |
| CYCLES TEST | 1.000.000 |
| WIND RESISTANCE | Class 1 |
| STRUCTURE | Not self-supporting |
| FRAME / MOTOR COVER HOOD | Standard Galvanized steel |
| | Optional <ul style="list-style-type: none"> • Powder coated steel • Stainless steel 441/316 |
| CURTAIN | Standard PVC curtain 900 gr/m ² |
| | Optional <ul style="list-style-type: none"> • Insulated • Translucent 35/40% • FDA (white) • Antistatic |
| SLIDING SYSTEM | Patented sliding system with high density Polyzone self-lubricant equipped of sliding zipper directly on curtain |
| CONTROL PANEL INTEGRATED |  <div> Standard <ul style="list-style-type: none"> • Power supply 1-ph, 230V max 16A • Start/Stop button </div> <div> Optional <ul style="list-style-type: none"> • 2 free contacts (door open / closed / alarm) • Automatic / manual interlocking between 2 doors </div> |
| WIRING | Plug and Play system IP65 |
| SAFETIES | Standard <ul style="list-style-type: none"> • Photocells set IP65 • Anti-jam sensor reverse |
| | Optional Multi ray light curtain barrier H 2500 IP67 |
| EMERGENCY OPENING | Standard Hand crank |
| | Optional <ul style="list-style-type: none"> • Chain system • Counterweight system • UPS battery |
| ADVISING OPERATIVE TEMPERATURE | Operating till positive temperature (> 0°C) - Not apt to be installed in negative/positive temperature |

DynamicRoll® one is a self-repairing roll up equipped with the DynamicRoll® zipper system.

The integrated motor box eliminates costly and unaesthetic electrical and control panel piping.

Its patented sliding system allows the door to work in complete safety: in case of accidental collisions, the curtain comes out from the guides and reinserts to the next cycle.



Standard model has neither top cover hood nor motor hood

EN13241 CERTIFICATION

| STANDARD | REF. | TEST ACC. | RESULTS |
|------------------------------|----------|-----------|------------|
| WATER PERMEABILITY | EN 12425 | EN 12489 | Class 0 |
| WIND LOAD | EN 12424 | EN 12444 | Class 1 |
| 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

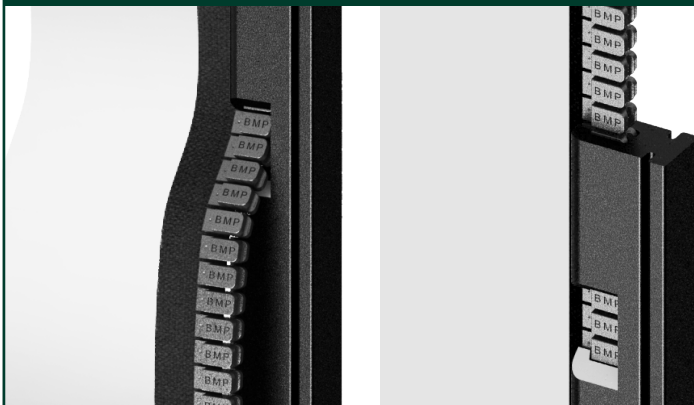
ADVANTAGES

- Self-repairing
- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & play (easy to install)
- Low maintenance
- Energy savings
- Control panel integrated on motor
- Available without top cover hood and motor hood

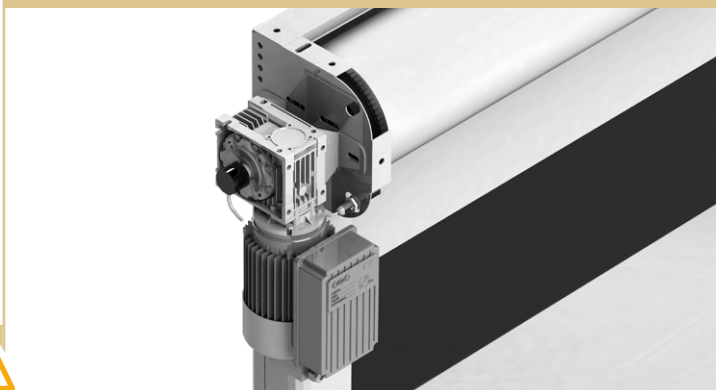
Standard model has neither top cover hood nor motor hood



SLIDING SYSTEM / SELF-REPAIRING



CONTROL PANEL INTEGRATED WITH THE MOTOR

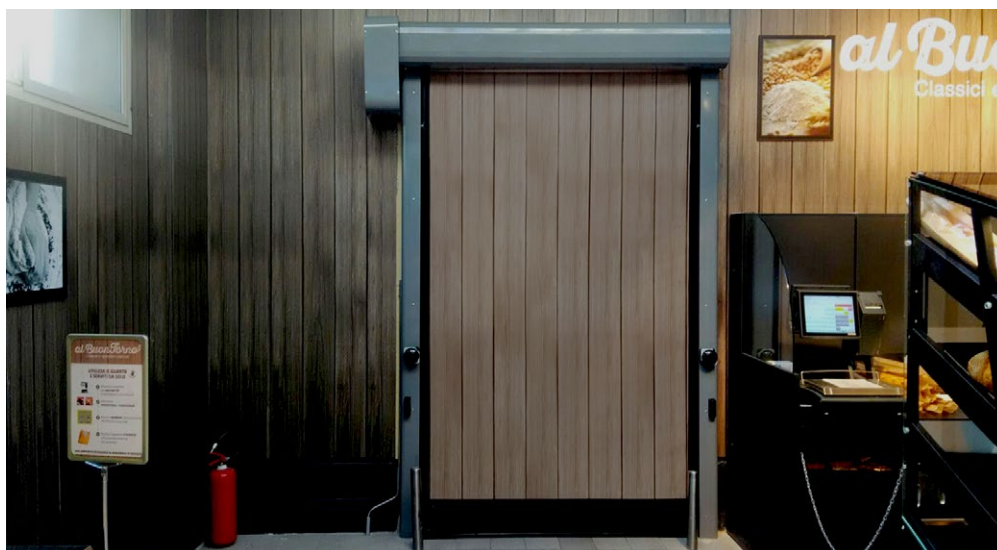


APPLICATIONS

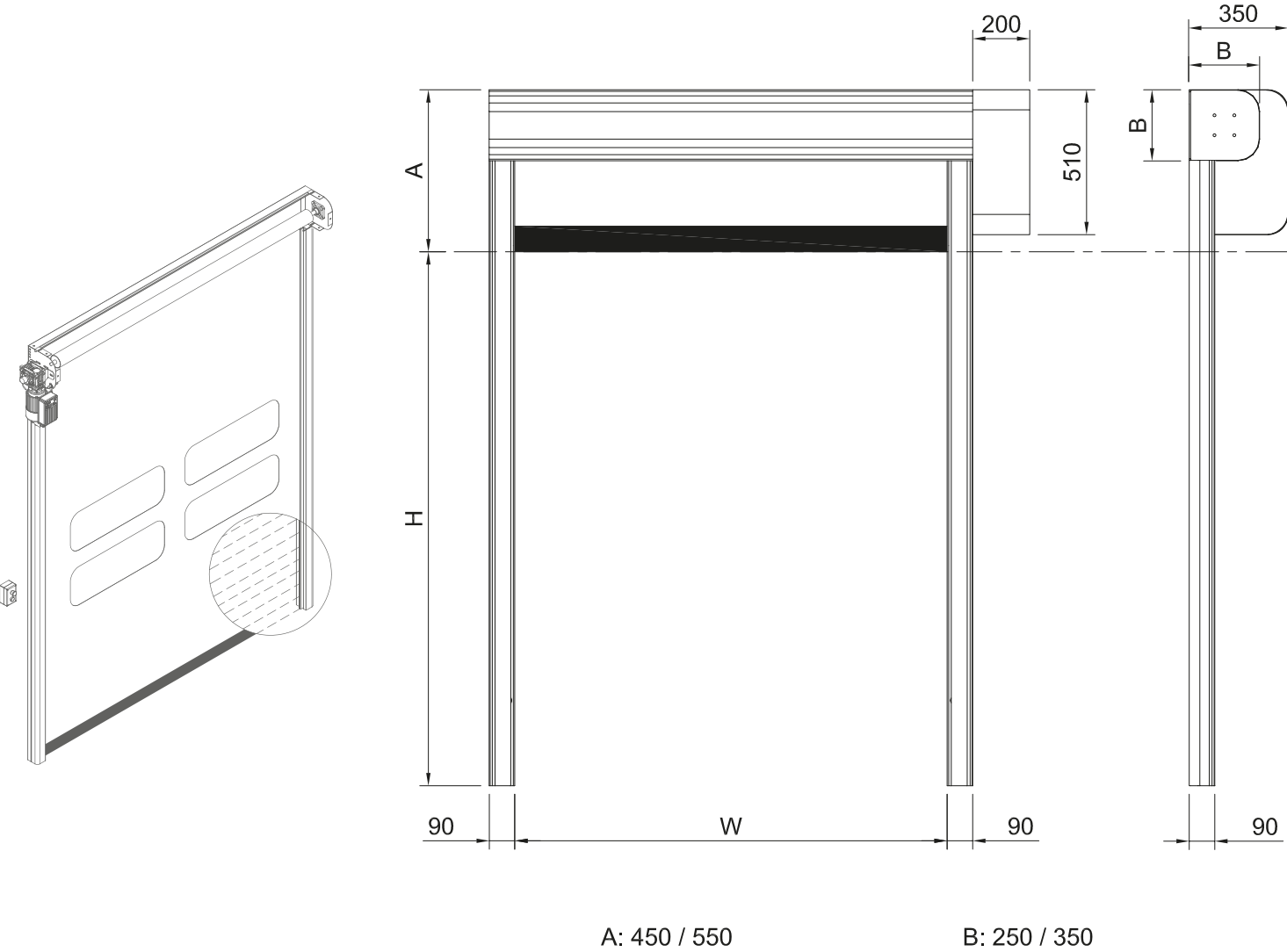
Supermarket

Car wash

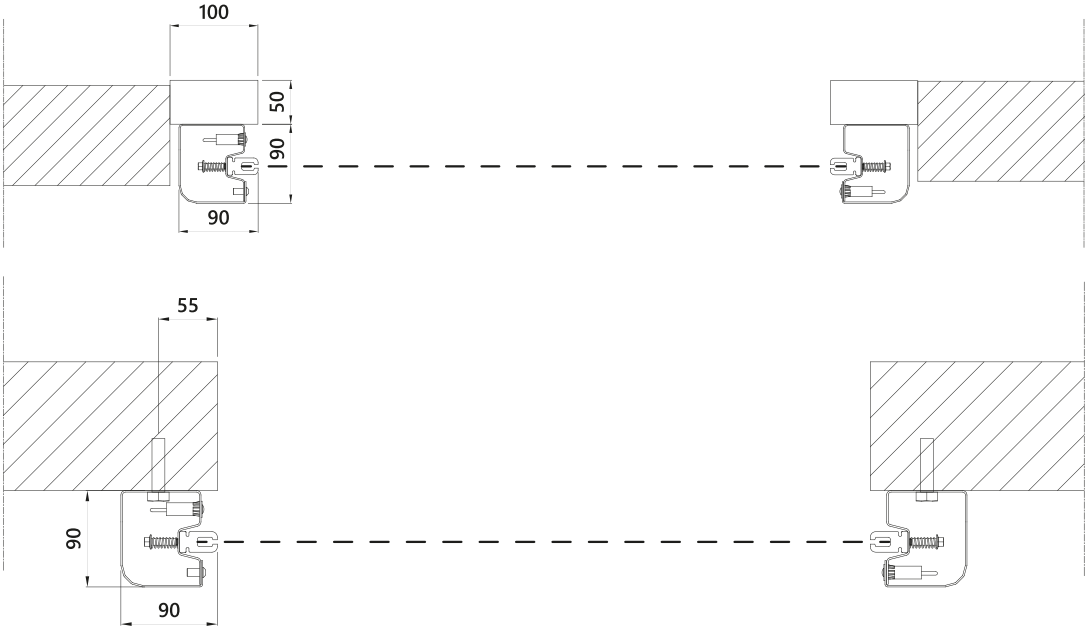
Conveyor lines



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 53 363 (N) > 600 |
| TEXTURE BREAK dIN 53 363 (N) > 530 |
| ADHESION dIN EN ISO 2411 130 N/50mm |
| EEC CONFORMITY - Yes |
| SPECIFIC USE industry, refrigerators, car washes, supermarkets, warehouses |
| ASSOCIATION - |

Colors



Translucent



Insulated available



Antistatic available

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 | | | |
| AGEING 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.

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 <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 |

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



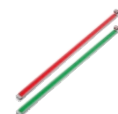
GREEN FIXED STANDARD
traffic light



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

Quality products since 1997

BMP EUROPE HIGH SPEED DOORS
Strada della Freisa 1 - Villanova d'Asti 14019 (AT)
+39 0141 948843
www.bmpdoors.com - info@bmpdoors.com

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