



HIGH  
SPEED  
DOORS



DynaDry 

# TECHNICAL DATA



ANTI-DRIP



WATER DISCHARGE



WASHABLE



HIGH SAFETIES



SELF-REPAIR



OIL FREE



GRAVITY TECHNOLOGY

|                                |                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MAXIMUM DIMENSIONS             | W 6500 mm x H 6500 mm                                                                                                                            |
| SPEED                          | Up to 2,5 m/s                                                                                                                                    |
| CYCLES TEST                    | 1.000.000                                                                                                                                        |
| AIR PERMEABILITY               | 3000 x 3000 Class 3<br>5000 x 5000 Class 2                                                                                                       |
| STRUCTURE                      | Not self-supporting                                                                                                                              |
| FRAME / MOTOR COVER HOOD       | <b>Standard</b><br>Galvanized steel<br>Stainless Steel 441/304                                                                                   |
| CURTAIN                        | <b>Standard</b><br>PVC curtain 900 gr/m <sup>2</sup>                                                                                             |
|                                | <b>Optional</b> <ul style="list-style-type: none"> <li>• Translucent 35/40%</li> <li>• FDA (white)</li> <li>• Antistatic</li> </ul>              |
| SLIDING SYSTEM                 | Patented sliding system with high density Polyzene self-lubricant equipped of sliding zipper directly on curtain                                 |
| CONTROL PANEL                  | <b>Standard</b> PVC panel (300 x 400 x 150 mm)                                                                                                   |
|                                | <b>Optional</b> <ul style="list-style-type: none"> <li>• Stainless steel</li> <li>• Coated steel panel IP54 (300 x 500 x 150 mm)</li> </ul>      |
|                                | Inverter 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 / alarm)                                                                                                     |
|                                | Automatic/Manual Interlocking between 2 doors                                                                                                    |
|                                | IP54 rating for motor and control panel                                                                                                          |
| WIRING                         | Plug and Play system IP65                                                                                                                        |
| SAFETIES                       | <b>Standard</b> <ul style="list-style-type: none"> <li>• IP65 photocells set</li> <li>• Anti-jam sensor reverse</li> </ul>                       |
|                                | <b>Optional</b> <ul style="list-style-type: none"> <li>• WiFi safety edge IP65</li> <li>• Multi ray light curtain barrier H 2500 IP67</li> </ul> |
| EMERGENCY OPENING              | <b>Standard</b><br>Hand crank                                                                                                                    |
|                                | <b>Optional</b><br>Chain system<br>UPS Battery                                                                                                   |
| ADVISING OPERATIVE TEMPERATURE | Operating till - 30 °C with addition of heating kit<br>- Not adapt to be installed in negative / positive temperature                            |

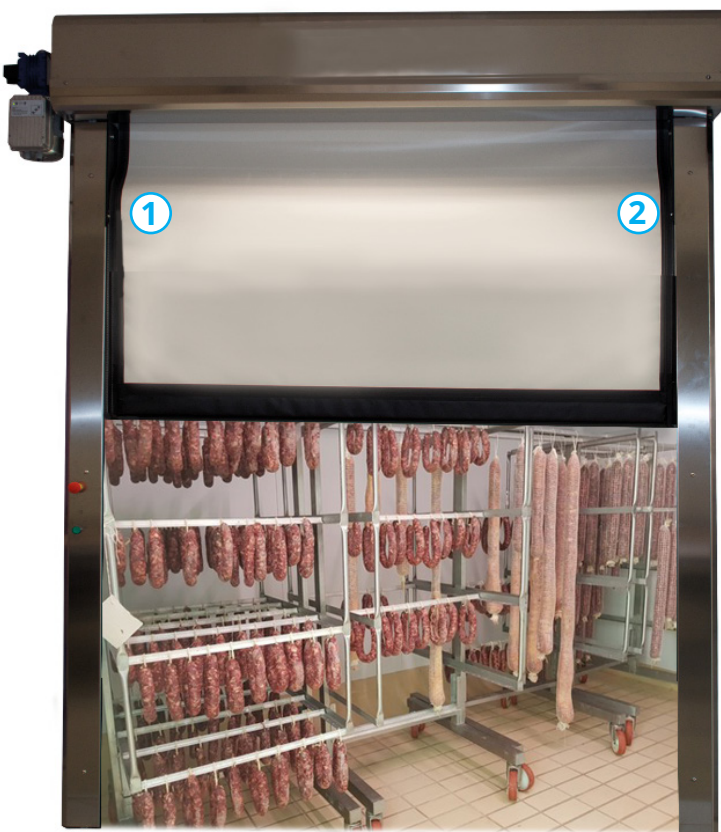
The **DynamicRoll® DynaDry** features a stainless steel construction and is designed to prevent condensation and water from falling into the passageway when the door is open. The door, with its patented and innovative system, protects the goods passing under the passageway and is designed to be easily washable in all its parts while meeting the hygiene criteria required by the industry.

## EN13241 CERTIFICATION

| STANDARD              | RIF.     | TEST ACC. | RESULTS                 |
|-----------------------|----------|-----------|-------------------------|
| WATER PERMEABILITY    | EN 12425 | EN 12489  | Class 1                 |
| WIND LOAD             | EN 12424 | EN 12444  | Up to Class 3           |
| WIND PERMEABILITY     | EN 12426 | EN 12427  | Class 2                 |
| 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/m <sup>2</sup> K |
| PERFORMANCE (CYCLES)  | EN 12604 | EN 12605  | 1.000.000               |

Values can change depending on door dimensions

# ADVANTAGES



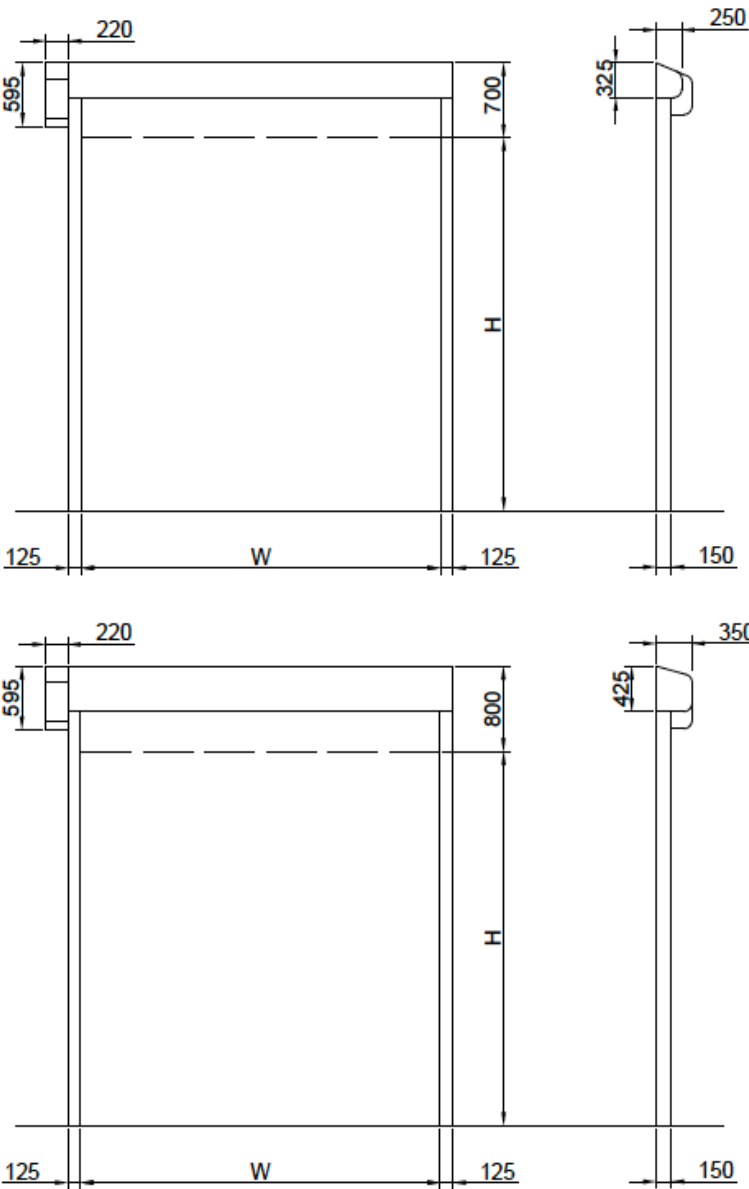
- Patented system
- Anti-drip

- Hygienic
- Fast
- Hermetic
- Silent
- 100% safe with no rigid elements in the mantle
- Plug & Play (ease of installation)
- Low maintenance
- Energy-saving
- Easily washable
- Self-repairing

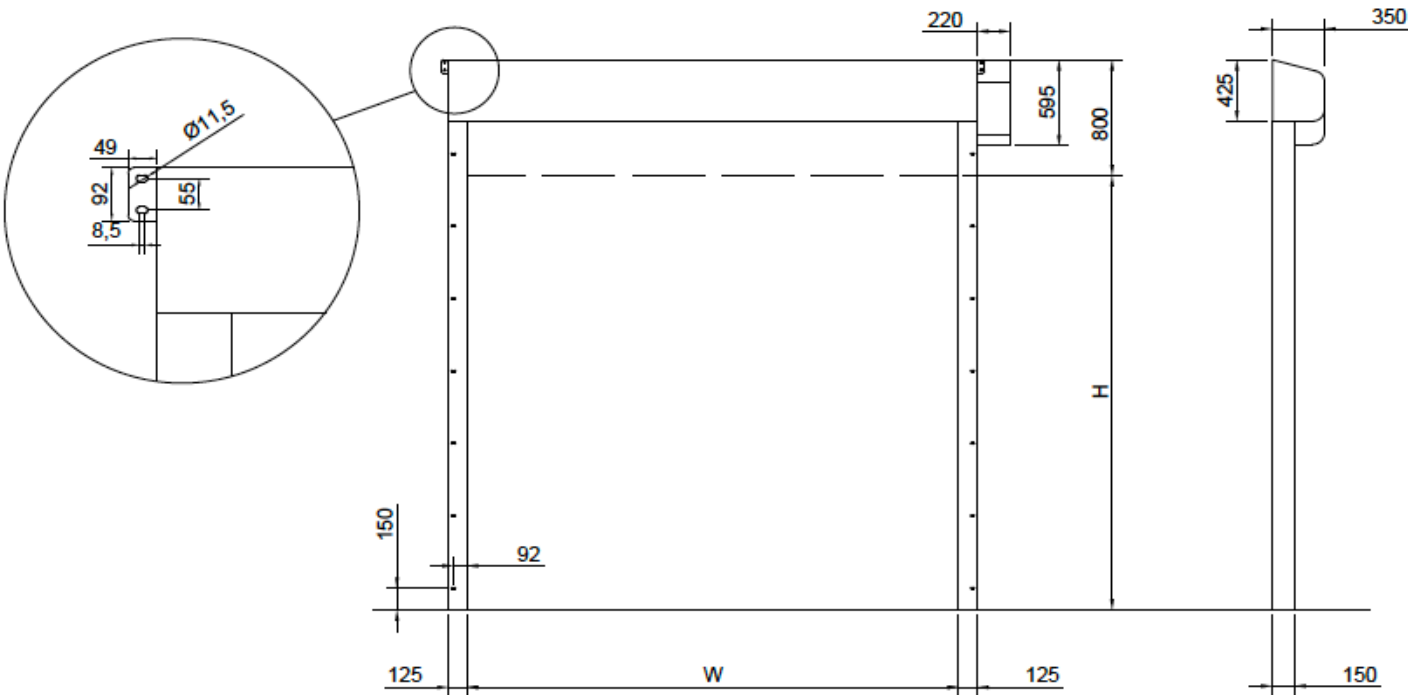
## SLIDING SYSTEM / SELF-REPAIRING



# 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<br>ISO 4675/90<br>-50°C ±5             |           |                |           |
| HYDROLYSIS TEST<br>75°C 95% humidity<br>none variation |           |                |           |
| GAS OIL TEST<br>-<br>none variation                    |           |                |           |
| MARINE WATER TEST<br>-<br>none variation               |           |                |           |
| OZONE TEST<br>ISO 3011<br>none crack                   |           |                |           |
| T. STORAGE<br>(°C)<br>-30 +65                          |           |                |           |
| FLAME TEST<br>ISO 3795<br>< 100 mm/min                 |           |                |           |
| PERFORATION<br>RINA 3.A1.2.7<br>(N) > 100              |           |                |           |
| EXERCISE 7 days -70°C<br>ISO 6065<br>none variation    |           |                |           |

### Characteristics

|                                                                                  |
|----------------------------------------------------------------------------------|
| THICK<br>ISO 2286/3<br>(mm) 0,9±0,1                                              |
| WEIGHT<br>ISO 2286/2<br>(kg/m2) 0,90±0,1                                         |
| LOAD BREAK<br>ISO 1421<br>6000 N/50mm                                            |
| WARP EXTENSION<br>ISO 1421<br>4300 N/50mm                                        |
| TEXTURE EXTENSION<br>ISO 1421<br>4000 N/50mm                                     |
| WARP BREAK<br>dIN 53363<br>(N) > 600                                             |
| TEXTURE BREAK<br>dIN 53363<br>(N) > 530                                          |
| ADHESION<br>dIN EN ISO 2411<br>130 N/50mm                                        |
| EEC CONFORMITY<br>-<br>Yes                                                       |
| SPECIFIC USE<br>industry, refrigerators, car washes,<br>supermarkets, warehouses |
| ASSOCIATION<br>-                                                                 |

### Colors



Antistatic available

## INSULATED PVC

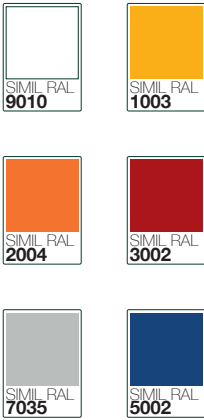
### Composition and tests

| 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<br>ISO 4675/90<br>-10°C ±5             |           |                |           |
| HYDROLYSIS TEST<br>75°C 95% humidity<br>none variation |           |                |           |
| GAS OIL TEST<br>-<br>none variation                    |           |                |           |
| MARINE WATER TEST<br>-<br>none variation               |           |                |           |
| OZONE TEST<br>ISO 3011<br>none crack                   |           |                |           |
| T. STORAGE<br>(°C)<br>-30 +65                          |           |                |           |
| FLAME TEST<br>ISO 3795<br>cl 2, NFPA 701 test 2        |           |                |           |
| PERFORATION<br>RINA 3.A1.2.7<br>(N) > 100              |           |                |           |
| EXERCISE 7 days -70°C<br>ISO 6065<br>none variation    |           |                |           |

### Characteristics

|                                                                                |
|--------------------------------------------------------------------------------|
| THICK<br>ISO 2286/3<br>(mm) 7,0±0,1                                            |
| WEIGHT<br>ISO 2286/2<br>(kg/m2) 1,7±0,1                                        |
| LOAD BREAK<br>ISO 1421<br>6000 N/50mm                                          |
| WARP EXTENSION<br>ISO 1421/V1<br>3000 N/50mm                                   |
| TEXTURE EXTENSION<br>ISO 1421/V1<br>2800 N/50mm                                |
| WARP BREAK<br>dIN 53363<br>300 N                                               |
| TEXTURE BREAK<br>dIN 53363<br>300 N                                            |
| ADHESION<br>PA 09.03 (internal)<br>15 N/cm                                     |
| THERMAL CONDUCTIVITY<br>-<br>0,03782 W.m <sup>-1</sup>                         |
| ISOLATION INDEX<br>-<br>Rw= 17,5 dB                                            |
| EMPLOYMENT<br>industry, refrigerators, car washes,<br>supermarkets, warehouses |
| ASSOCIATION<br>-                                                               |

### Colors



# CRISTAL CHARACTERISTICS

PVC SUPERCLEAR

**SUITABLE ONLY FOR POSITIVE TEMPERATURE ENVIRONMENTS**

## WINDOWS - CRISTAL

TECHNICAL DATA

|         |                       |
|---------|-----------------------|
| Article | SUPERCLEAR 0.75 mm FR |
|---------|-----------------------|

| Technical specifications              | Standards    | Unit             | Values |
|---------------------------------------|--------------|------------------|--------|
| Thickness                             | -            | mm.              | 0.75   |
| PVC total weight                      | -            | g/m <sup>2</sup> | 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    |
| Flame retardancy                      | -            | -                | No     |
| 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 <sup>2</sup> |
| 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 <sup>2</sup> ) 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



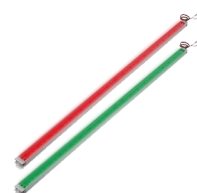
GREEN FIXED STANDARD  
traffic light



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

**BMP EUROPE** HIGH SPEED DOORS  
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