



HIGH  
SPEED  
DOORS

Dear Sir/Madame, ,

Thank you for downloading the documentation for our **Dynamicroll** rapid door: the complete rapid door for standard applications with large temperature differences. In this cover letter, we wish to briefly inform you about the door. More importantly, we wish to convey that you can contact us for a customized specification, in case this does not meet your desires.

The Dynamicroll insulated interior door is particularly suitable for dividing spaces with large temperature differences. In this case, the door thermally insulates better than the standard version and better counters condensation. The door is suitable for indoor applications and, furthermore, is completely self-repairing. The rapid door is equipped with a flexible bottom bar and there are no rigid parts in the fabric. The performance in terms of wind resistance, air permeability, thermal insulation, and durability is high.

This makes the total cost of ownership of this door very low.

The door is equipped with a safety photocell for rolling up, unless the door is wider than 3050 mm. From that size onwards, a light barrier is used. The fabric is available in six colors. The base frame is galvanized. The covers can be galvanized or coated in RAL 9010. For an additional cost, both the covers and the base frame can be coated in a RAL color of your choice. The control panel is equipped with a control button, an emergency button, and a main switch. A hammer button is provided for the other side.

The attached specification describes a standard interior door. Of course, many variations are available. For these, please refer to the attached options sheet. We invite you to contact us for a customized specification.

Best regards,  
**BMP HIGH SPEED DOORS**

The team

All our deliveries/services are subject to the General Terms and Conditions of Sale. The General Terms have been filed with the Chamber of Commerce and are available at our office upon request.



## Standards and Classifications

Applicable standards and essential characteristics:

- EN 13241 standard
- Machinery Directive 2006/42/EC
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU

Water tightness class 1 according to EN 12425, tested in accordance with EN 12489.

Wind load resistance varies by size, up to class 4 according to EN 12424, tested in accordance with EN 12444.

Thermal transmittance coefficient  $U = W/m^2.K$ : 5.01, in accordance with EN 12428.

Air permeability class 1 according to EN 12426, tested in accordance with EN 12427.

Safety in opening for vertical movement in accordance with EN 12453, tested in accordance with EN 12445.

Mechanical aspects - Requirements and testing methods in accordance with EN 12604, tested in accordance with EN 12605.

Mechanical reliability according to EN 12604: 1,000,000 cycles, tested in accordance with EN 12605.



### 30.63.11 FLEXIBLE DOOR.

#### 0. FLEXIBLE DOOR.

Manufacturer: BMP HIGH SPEED DOORS.

Type: Dynamicroll high-speed roll-up door.

Position: interior door.

- Opening speed: adjustable, up to 2.0 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Resistant to overpressure and vacuum.
- Daylight width (mm): as per project drawings.
- Daylight height (mm): as per project drawings.

#### **Door Curtain**

- PVC fabric with foam layer, insulated & anti-condensation, 7mm, in RAL .... (see option sheet).

#### **Windows**

- no windows.

#### **Door Frame**

- galvanized base frame;
- covers for the roller, motor, and uprights, standard galvanized or painted in RAL 9010.

#### **Guides**

- hardened polyethylene, PEHD 500;
- self-lubricating (no lubricants required).

#### **Roll-up Shaft**

- aluminum.

#### **Anti-crash**

- flexible, soft bottom bar;
- zip attachment system;
- reinsertion slots in the guides.

#### **Operation**

- automatic opening, electrically driven;
- automatic closing, by gravity.

#### **Controls**

- via a button on the control panel, plus an emergency button (other side).

#### **Safety**

- photocell safety, integrated into the door posts;
- anti-unrolling safety.

#### **Drive**

- frequency-controlled electric motor with gearbox, suitable for this type of door, speed, and size;
- soft start and stop.

**Control**

- powder-coated steel control panel, RAL 7016, IP54;
- frequency regulator;
- main switch;
- emergency stop;
- adjustable timing setting before automatic closure;
- locking function between two doors.

**Accessories**

- wiring;
- absolute encoder;
- manual emergency operation with crank.

**Wind Resistance**

- < W 2900 mm x H 2900 mm class 4, EN 12424;
- < W 4700 mm x H 4700 mm class 3, EN 12424;
- < W 5700 mm x H 5700 mm class 2, EN 12424.

**Air Permeability**

- Class 1, EN 12426.

**Expected Lifespan**

- 1,000,000 cycles, EN 12604.









## Options Sheet

If you wish to implement any options, please contact us to obtain a customized technical sheet::

[Contact | BMP HIGH SPEED DOORS](#)

### Possible door leaf colors, at no additional cost, approximate:

- |  |   |   |
|--|---|---|
|  RAL 1003 (signal yellow) |  RAL 3002 (ermine red)       |  RAL 7035 (light grey) |
|  RAL 2004 (pure orange)   |  RAL 5002 (ultramarine blue) |  RAL 9010 (pure white) |

### Air permeability

- class 4, EN 12426.

### Windows:

- transparent PVC, with rounded corners, 1200x300 mm or 850x300 mm, double row / ... rows.

### Control:

- PVC control panel, IP65;
- 304 stainless steel control panel, IP66;

### Control components:

- via radar impulse, type BEA Falcon, bidirectional or unidirectional.
- via radar impulse, type BEA Condor (with stop detection), bidirectional or unidirectional.
- via pull switch, incl. 4 meters of cord, bidirectional or unidirectional.
- via Tof-spot radar, (range 6m1), bidirectional or unidirectional.
- 1-channel transmitter, button type, including receiver for remote control.
- 2-channel handheld transmitter, including receiver for remote control.
- 4-channel handheld transmitter, including receiver for remote control.

### Safety components:

- light curtain barrier, integrated into the door posts and passing through the curtain.
- light curtain barrier, integrated into the door posts and passing through the curtain, combined with anti-unrolling safety.

### Frame:

- galvanized base frame, covers painted in a non-standard RAL color: RAL ....
- base frame and covers painted in a non-standard RAL color: RAL ....
- 441 stainless steel, including covers for the roller, motor, and uprights.
- 304 stainless steel, including covers for the roller, motor, and uprights.
- 316 stainless steel, including covers for the roller, motor, and uprights.



**Other stainless steel components:**

- roll-up shaft, 304 stainless steel.
- brake, 304 stainless steel.

**Emergency Control**

- emergency control via counterweight;
- emergency control via UPS including batteries.