

# PR21

# Rolling High-speed Door

## for Cleanrooms and Laboratories.



### Technical Description.

The **PR21 high-speed door for cleanrooms and laboratories** from **Inkema** is composed of a canvas that automatically inserts itself in case of impact and has been designed for indoor use, specifically in **low permeability** locations such as **cleanrooms** in the **agri-food sector**.

With the aim of reducing the risk of contamination in such places from external agents, Inkema offers the **option of contactless opening** and the installation of doors that interlock with each other (up to 5 doors).

The **PR21 high-speed door** has been designed and manufactured with attention to detail to ensure **excellent sealing and insulation** from the outside.

### Technical Features.

- **Application:** Indoor
- **Max. Size:** 3000 × 3000mm (width x height)
- **Material (structure):** White lacquered steel RAL9010  
Stainless steel 304 or 316
- **Max. Speed:** Opening: (~1,6m/s)  
Closing: (~0,6m/s)
- **Canvas material:** PVC (1300 gr/m<sup>2</sup>)
- **Air Permeability:** 50Pa
- **Wind resistance:** Class 2, 3, and 4 (depending on dimensions) (EN12424).
- **Life Cycle:** 750,000 cycles.

### Technical Features.

| Features                           | ● ○ |
|------------------------------------|-----|
| Light Curtain                      | ●   |
| Frequency inverter                 | ●   |
| Uninterruptible Power Supply (UPS) | ○   |
| Stainless Steel Frame              | ○   |
| Frontal Motor                      | ○   |
| A row of small windows             | ○   |
| Second row of small windows        | ○   |
| Additional push button panel       | ○   |
| Intermediate Stop                  | ○   |
| Extra opening options              | ●   |

● Standard Feature ○ Optional Feature \*For other options, consult Customer Service.

The **PR21 High-speed Cleanroom Door** has been calculated and designed in accordance with the following directives and European regulations: **UNE-EN 13241-1:2004+A1:2011**.

## Operation.

- Power supply: 1x230Vac-50/60Hz
- Motor reducer with electromagnetic brake.
- Easily programmable control panel.
- Adjustment of end positions via the control panel.
- Control button with IP67 rating and emergency stop
- Manual unlocking with a handwheel (for power loss situations).

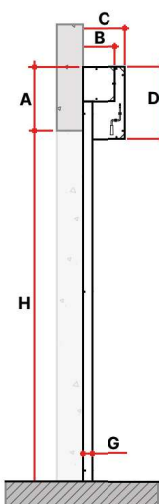
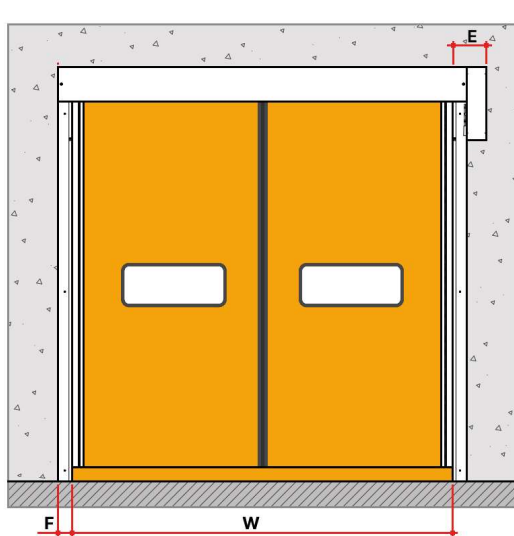


## Safety Systems.

The **PR21 High-speed Door** is equipped with an **IP67 light curtain** as a standard safety system, preventing any collisions if a person or goods pass beneath the door while it is in operation. This curtain also features cross beams to ensure maximum protected volume.

The **photoelectric curtain** has safety certification according to the standard: **UNE-EN 13241-1:2004+A1:2011**.

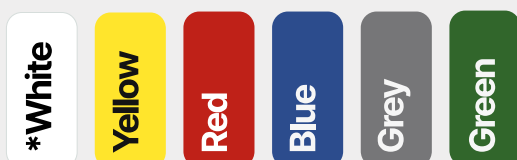
## Dimensions.



- Clear Height > 3200 mm.
- Clear Height < 3200 mm.

| H          | W         | A        | B   | C        | D   | E   | F   | G   |
|------------|-----------|----------|-----|----------|-----|-----|-----|-----|
| 3000(2000) | 3000(820) | 530(470) | 312 | 329(312) | 676 | 280 | 120 | 115 |

### Optional frame colors (\*standard).



### Range of colors for the canvas.

