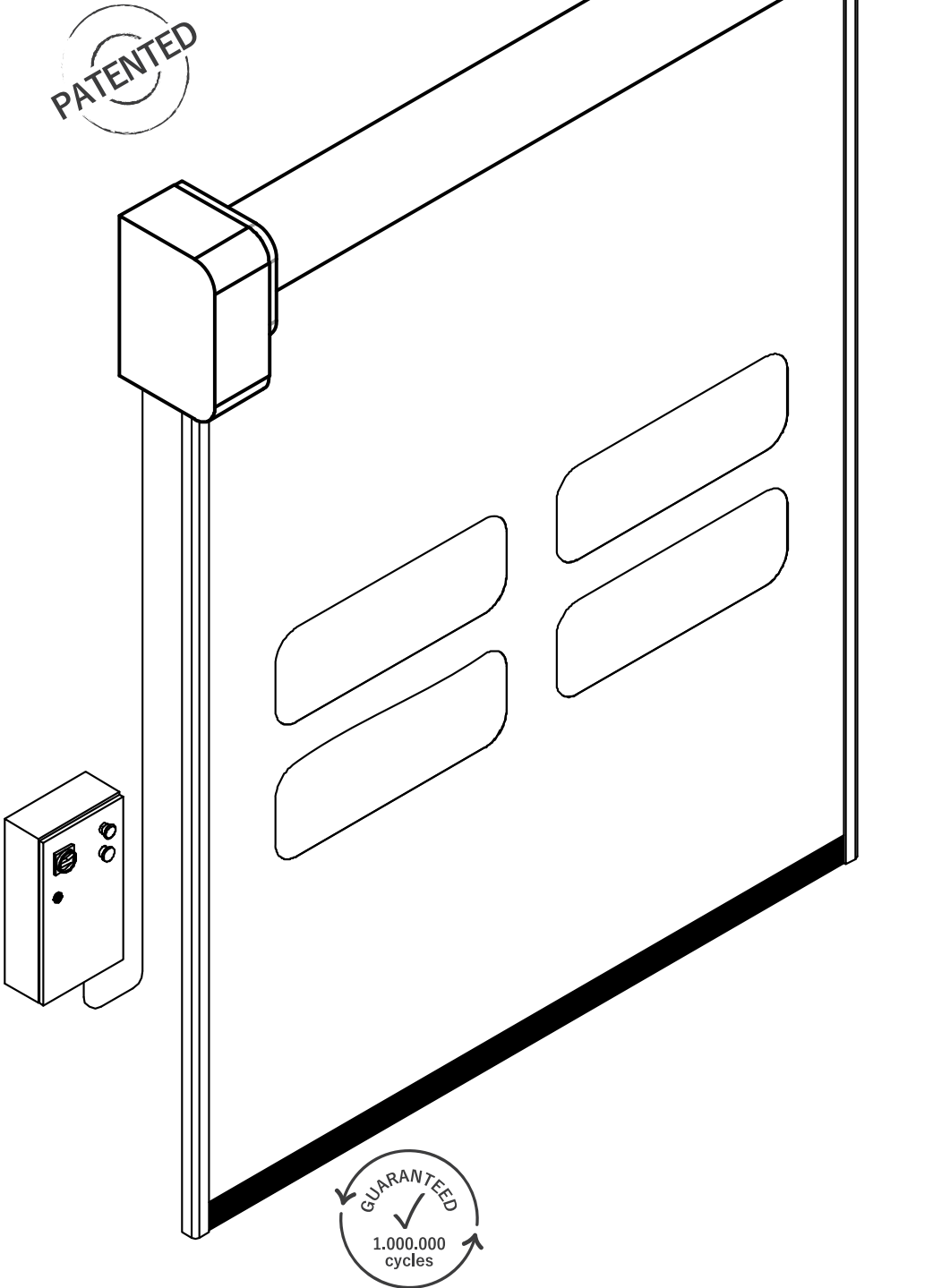


# DYNAMICROLL<sup>®</sup> FOOD PE

## DESCRIPTION

DynamicRoll<sup>®</sup> **FOOD PE** is a selfrepairing roll up door studied to be used in evironments, where hygiene is the most important issue. Its Poliethylene frame is designed to be sanitized in all its parts, without remove or disassemble any profiles or covers with related problems in assembling again all screws and external elements.

Columns come out from a Polyethylene monolithic section, where the zippers on curtain run inside. Thanks to the special sliding system, that lets the curtain, without rigid elements inside it, come out from the guides, to protect itself in case of any impact during the operation of the door and allows it to reinsert after one cycle.

DynamicRoll<sup>®</sup> name assures the safety of staff, thanks to its curtain without rigid horizontal elements.

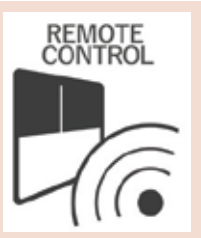
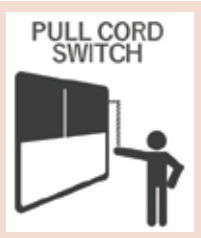
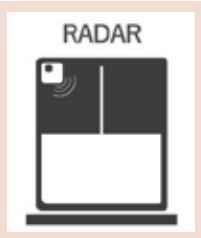
## ADVANTAGES

- ✓ Rapid
- ✓ Sealing
- ✓ Noiseless
- ✓ No rigid elements inside the curtain for 100% safety
- ✓ Plug & play (easy to install)
- ✓ Low maintenance
- ✓ Energy savings
- ✓ Sanitized in all parts

## APPLICATION

Door ideal for:

- ✓ Agriculture
- ✓ Food industry



## EN13241/CE

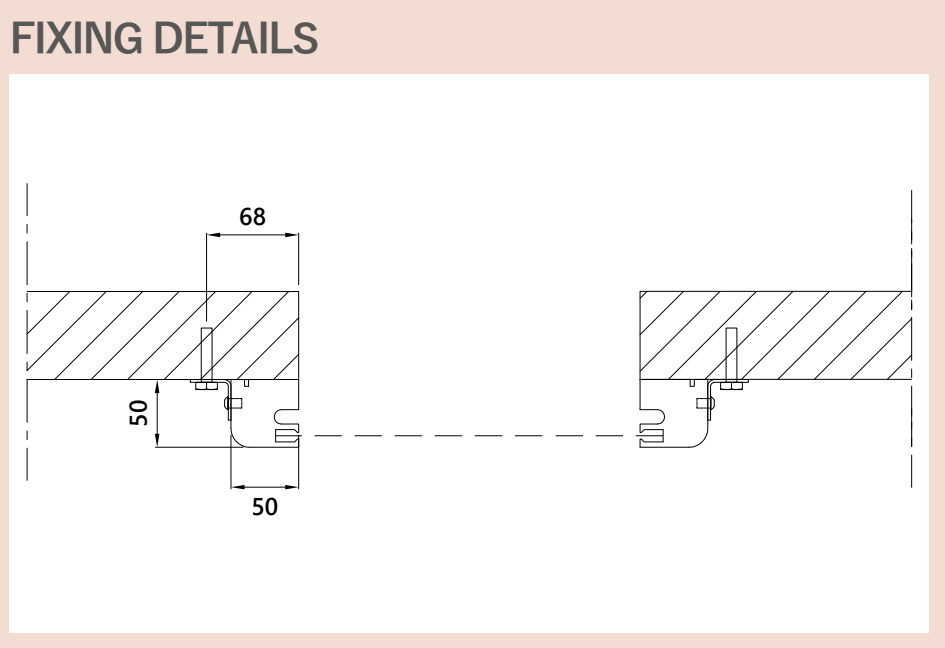
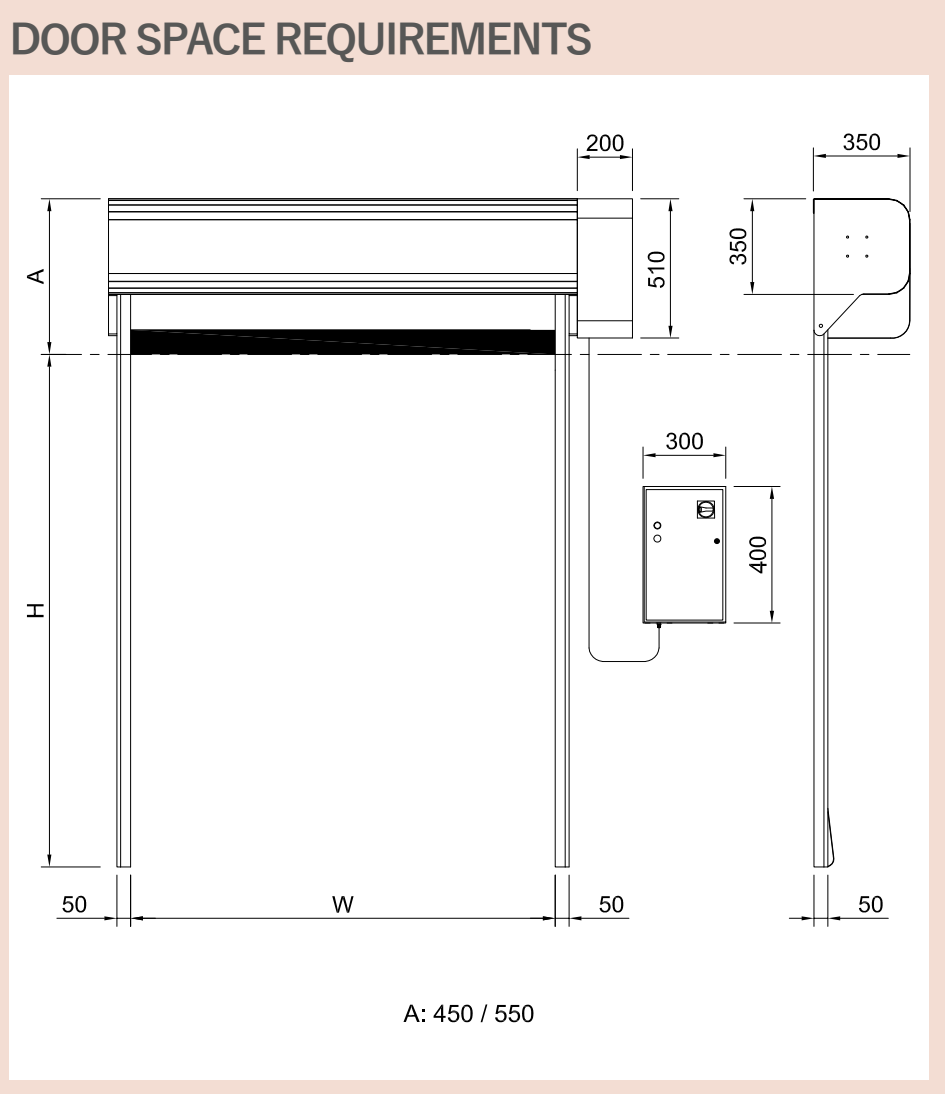
| Standard              | Ref.     | Test acc. | Results                 |
|-----------------------|----------|-----------|-------------------------|
| Water permeability    | EN 12425 | EN 12489  | Class 1                 |
| Wind load             | EN 12424 | EN 12444  | Class 0                 |
| Wind 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/m <sup>2</sup> K |
| Performance (cycles ) | EN 12604 | EN 12605  | 1.000.000               |

VALUES CAN CHANGE DEPENDING ON DOOR DIMENSIONS

| FEATURES           |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Maximum dimensions | W 4500 mm x H 3800 mm                                                                                                  |
| Speed              | Max opening speed up to 2 m/s                                                                                          |
|                    | Closing speed 0,6 m/s                                                                                                  |
| Wind resistance    | Class 0                                                                                                                |
| Structure          | Not self-supporting                                                                                                    |
| Frame              | Standard: Polyethylene HD 1.000.000                                                                                    |
| Motor Cover        | Stainless Steel                                                                                                        |
| Curtain            | Standard: PVC curtain 1300 gr/m², 6 W/m²K                                                                              |
|                    | Optional: Insulated 7 mm, 3.3 W/m²k<br>Translucent 35/40%<br>FDA (white)<br>Antistatic                                 |
| Sliding system     | Patented sliding system with high density Polyethylene self- lubricant equipped of sliding zipper directly on curtain. |
| Control panel      | Standard: PVC box IP65 (300 x 400 x 150 mm)                                                                            |
|                    | Optional: Stainless Steel<br>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/ alarm)                                                                             |
|                    | Automatic/ Manual Interlocking between 2 doors                                                                         |
|                    | IP rating for motor and control panel IP54                                                                             |
| Wiring             | Plug and Play system IP65                                                                                              |

| FEATURES                       |                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
| Safeties                       | Standard: Photocells set IP65<br>Anti-jam sensor reverse                                                   |
|                                | Optional: WiFi safety edge IP65                                                                            |
| Emergency opening              | Standard: Hand crank                                                                                       |
|                                | Optional: Chain system<br>UPS Battery                                                                      |
| Advising operative temperature | Operating till positive temperature (> 0° C)<br>- Not apt to be installed in negative/positive temperature |
| Cycles (EN 12604)              | 1.000.000 (tested)                                                                                         |

SLIDING SYSTEM/ SELF-REPAIRING



| AVAILABLE COLOURS | Simil RAL 9010 | Simil RAL 2004 | Simil RAL 7042 | Simil RAL 5012 |
|-------------------|----------------|----------------|----------------|----------------|
|                   | Simil RAL 1015 | Simil RAL 3002 | Simil RAL 7037 | Simil RAL 5002 |
|                   | Simil RAL 1003 | Simil RAL 6026 | Simil RAL 7035 |                |
|                   |                |                |                |                |



# Dynamicroll® Food Pe



**DynamicRoll® FOOD PE** has a structure made of polyethylene and is designed to meet the needs of the food industry. Easy to clean, it ensures a high level of security thanks to its "Anti Crash" control system.

La **DynamicRoll® FOOD PE** ha una struttura realizzata in polietilene, è stata progettata per soddisfare le esigenze dell'industria alimentare. Facile da pulire, garantisce un elevato livello di sicurezza grazie al sistema di controllo "Anti Crash".



| TECHNICAL DATA / DATI TECNICI                             |                    |                                      |                  |
|-----------------------------------------------------------|--------------------|--------------------------------------|------------------|
| Maximum door size (W x H) /<br>Dimensioni massime (L x H) | 4500 x 3800 mm     | Opening speed / Velocità d'apertura  | ~ 2 m/sec.       |
|                                                           |                    | Closing speed / Velocità di chiusura | 0,6 m/sec.       |
| Wind load / Resistenza al vento:                          | Class 0 / Classe 0 | Applications / Applicazioni          | Inside / Interno |

## Technical data

### PVC CURTAIN / TELO PVC 1,3 mm - 1300 gr/m²

|                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Simil RAL 9010 <input type="checkbox"/> | Simil RAL 2004 <input type="checkbox"/> | Simil RAL 7042 <input type="checkbox"/> | Simil RAL 5012 <input type="checkbox"/> |
| Simil RAL 1015 <input type="checkbox"/> | Simil RAL 3002 <input type="checkbox"/> | Simil RAL 7037 <input type="checkbox"/> | Simil RAL 5002 <input type="checkbox"/> |
| Simil RAL 1003 <input type="checkbox"/> | Simil RAL 6026 <input type="checkbox"/> | Simil RAL 7035 <input type="checkbox"/> |                                         |

|                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Simil RAL 9010 <input type="checkbox"/> | Simil RAL 3002 <input type="checkbox"/> | Simil RAL 7035 <input type="checkbox"/> | Simil RAL 9005 <input type="checkbox"/> |
| Simil RAL 1015 <input type="checkbox"/> | Simil RAL 8014 <input type="checkbox"/> | Simil RAL 7037 <input type="checkbox"/> | Simil RAL 5010 <input type="checkbox"/> |
| Simil RAL 1003 <input type="checkbox"/> | Simil RAL 6026 <input type="checkbox"/> | Simil RAL 7042 <input type="checkbox"/> | Simil RAL 5002 <input type="checkbox"/> |
| Simil RAL 2004 <input type="checkbox"/> | Simil RAL 6018 <input type="checkbox"/> | Simil RAL 9006 <input type="checkbox"/> | Simil RAL 5012 <input type="checkbox"/> |

### PVC CURTAIN / TELO PVC 0,9 mm - 900 gr/m²



### INSULATED CURTAIN / TELO COIBENTATO 3,5 mm - 1300 gr/m²

|                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Simil RAL 9010 <input type="checkbox"/> | Simil RAL 6026 <input type="checkbox"/> | Simil RAL 7035 <input type="checkbox"/> | Simil RAL 5002 <input type="checkbox"/> |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|

|                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Simil RAL 9010 <input type="checkbox"/> | Simil RAL 2004 <input type="checkbox"/> | Simil RAL 7035 <input type="checkbox"/> |
| Simil RAL 1003 <input type="checkbox"/> | Simil RAL 3002 <input type="checkbox"/> | Simil RAL 5002 <input type="checkbox"/> |

### INSULATED CURTAIN / TELO COIBENTATO 7 mm

|                                         |
|-----------------------------------------|
| Simil RAL 9010 <input type="checkbox"/> |
|-----------------------------------------|

### FOOD CURTAIN (FDA) 1,7 mm - 1700 gr/m²



| TYPE OF COATING AND FINISH / MATERIALE FINITURA TELO |                                                                |                    |             |
|------------------------------------------------------|----------------------------------------------------------------|--------------------|-------------|
| Coating material / Materiale                         | PVC                                                            |                    |             |
| Top coating / Finitura                               | Lacquered finishing on both sides / Laccato su entrambi i lati |                    |             |
| Flammability / Resistenza al fuoco                   | ISO 3795 < 100 mm/min.                                         |                    |             |
| Best weight / Peso totale                            | 900 / 1300 g/m2                                                | DIN EN ISO 2286-2  |             |
| Tensile strength / Resistenza alla trazione          | 4300 / 4000 N/50 mm                                            | DIN EN ISO 1421/V1 |             |
| Tear strength / Resistenza alla lacerazione          | 500 / 500 N                                                    | DIN 53363          |             |
| Adhesion / Adesione                                  | 20 N/cm                                                        | LB 3.04-1          |             |
| Low temperature resistance / Resistenza al freddo    | -40 °C                                                         | DIN EN 1876-1      |             |
| High temperature resistance / Resistenza al caldo    | +70 °C                                                         | LB 3.15            |             |
| Color fastness to light / Solidità alla luce         | >6 Value / Note                                                | DIN EN ISO 105 B02 |             |
| Bending strenght / Resistenza alle piegature         | No creases / Nessuna piega                                     | 10.000 x @         | DIN 53359 A |

| TESSUTO DI SUPPORTO / BASE FABRIC |                                                                    |      |              |
|-----------------------------------|--------------------------------------------------------------------|------|--------------|
| Material / Materiale              | DIN ISO 2076                                                       |      |              |
| Yarn count / Titolo del filato    | 1100                                                               | dtex | DIN ISO 2060 |
| Weave / Armatura                  | P2/2                                                               |      |              |
| Notes / Note                      | Complies with DIN EN 12641-2 / Soddisfa i requisiti DIN EN 12641-2 |      |              |