Ulti group

Ulti Roll

HIGH PERFORMANCE ENVIRONMENT CONTROL DOOR SYSTEM

The Ulti Roll is a premium performance PVC curtain door. Delivering the perfect blend of high speed, crash resistance, easy clean and low maintenance, this door continues to outperform in quality and safety in even the most demanding applications.

Speed Where it Matters

The Ulti Roll has a standard opening speed of up to 2.5m/second with options to increase up to 3.0m/second. These world class speeds ensure the door outperforms any approaching traffic, maximising productivity, decreasing energy usage, and minimising the chance of impact damage from forklifts.

Versatile

Due to its compact design and quiet operation the Ulti Roll can be easily incorporated into restricted building clearances. With multiple upgrade options including full stainless-steel framework, it continues to provide value in unique applications that are well beyond the market standard.

Ideal for use in

– Food Hygiene Facilities
– Airlocks
– Laboratories
– Warehouses
– Distribution centres
– Manufacturing facilities
– Printing companies
– Logistic companies
– Supermarkets
– Chilled areas
– Heated areas

Crash Resistant

At the heart of the Ulti Roll design is the innovative curtain edge that firmly holds the curtain into the side guides. The Ulti Roll curtain is made of reinforced PVC, with a flexible weighted soft bottom edge. The edge of the curtain has continuous injection moulded profile that allows rapid movement within the self-lubricating polyethylene track. The soft bottom edge enhances safety because there are no metal parts within the curtain design therefore damage is kept to a minimum.

Self Repair

If an accidental impact occurs, the door curtain will automatically release from the retention guides, and for doors up to 3500mm wide, these guides allow the curtain to be easily restored, minimising downtime and service calls.

Multi Industry Applications

The Ulti Roll outperforms traditional door types in every industry. It can be applied to harsh industrial environments through to high-end laboratory airlocks. The Insulated Curtain option means this door can be used in chilled or heated areas, preventing condensation and retaining temperatures, and the high wind load rating makes it perfect for positive pressure environments.

STANDARD COMPLIANCE

Wind Permeability	Class 3	Water Permeability	Class 1
Wind Loading	Up to Class 4 5000 x 5000 = Class 2	Accoustic Performance	Rw= 15dB (17.5dB w/ an insulated curtain)
Thermal Transmittance	6.02 W/m²k	Safe Openings	Yes
Pressure Differential	Up to 50Pa		

TECHNICAL SPECIFICATIONS

Application	Internal/External
Standard Size	4000mm H x 3500mm W
Minimum Size	600mm H x 500mm W
Maximum Size	8000mm H x 8000mm W
Opening Speed	Up to 2.5m/second – variable
Closing Speed	0.8m/second – variable
Operating Temperature	–10 to +50°C (<0°C requires insulated curtain + heated frame)

STRUCTURE

Material	Galvanised steel frame structure with aluminium drive drum
Colour	RAL9010

SPACE REQUIREMENTS
minimum clearances

Headroom	600mm
Sideroom	395mm (motor side), 175mm (non-motor side)

CURTAIN

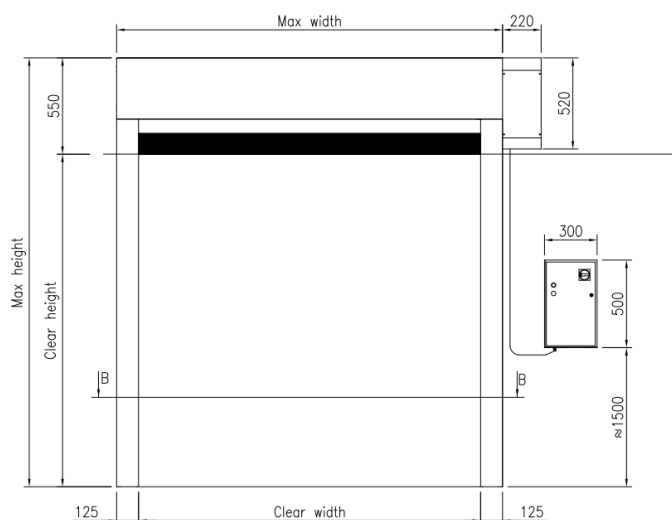|	
Material	Reinforced PVC Curtain
Colour	RAL6018 (standard), RAL1003, RAL5002, RAL7042
Vision Panels	1 row of large clear-vision panels

MOTORISATION

Motor	IP54 rated 1.5kW Heavy Duty 3phase Motor Drive and electromagnetic brake – RH mounted
Motor Position	RH Side
Control Panel	IP54 rated Metal Control box with inverter frequency controller – RH mounted
Power Supply	400V; 3phase+N+E; 16Amp Rated adjacent to control box installed to right hand side

ACTIVATIONS

Manual	Push button and emergency stop button fitted to control box Manual Push Button

SAFETY

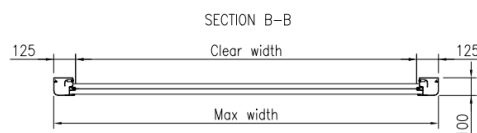|	
Standard Inclusions	1 Set of Infrared Photocell Safety beams IP65 Soft PVC Bottom Edge LED Display in Control box Reversing Sensor system for obstructions to door curtain
Emergency Egress	Manual hand crank

STANDARD INCLUSIONS

Patented sliding system with high-density polyethylene, self-lubricating guides
Perimeter seal system
Re-feed slot in guides when <3500mm W
Encoder control
Performance rated to 1,000,000 cycles

WARRANTY

12 Months or 100,000 Cycles
*Std Warranty terms and conditions apply

OPTIONAL FEATURES

Activations	All Ulti activation options can be applied
Motorisation	IP65 Rated 1.5kw Motor with Stainless Brake (for corrosive applications)
Control Panel	PVC IP54 Corrosion Resistant AISI:304 Stainless Steel
Mounting Options	LH Power Supply, Control Box, Motor Custom Control Box Position Front Mount Motor (reduces side room clearance to 175mm)
Low Clearance Options	Compact Header Unit reduces headroom required to 500mm for doors <3000mm high
Power Supply	Single phase 240V 50Hz control box for door sizes <9m² Heavy duty single phase 240V 50Hz Control box (required for 9m² to 25m² door sizes)
Frame Material	Corrosion Resistant AISI:316 Stainless Steel Hygienic Stainless-Steel AISI:304 or AISI:441 Frame
Heated Frame	240V door legs and motor heat tracing for freezer applications (additional 10Amp power supply isolator required)
Frame Colours	Galvanised, RAL3000, RAL5010, RAL7037, RAL9005, RAL9010
Curtain Colours	RAL1015, RAL2009, RAL2008, RAL3000, RAL3002, RAL3004, RAL3020, RAL5005, RAL5010, RAL5011, RAL5012, RAL5013, RAL5015, RAL5021, RAL6005, RAL6026, RAL7016, RAL7035, RAL7037, RAL7038, RAL8017, RAL9005, RAL9010
Curtain Options	Food Grade Curtain - FDA Approved in RAL9010 (1700gr/m²) Custom Printed Curtain – Full curtain printing with photo/logo
Insulated Curtain	3.5mm PVC (4.0W/m²K) – RAL5002, RAL7042, RAL9003 (Clear Vision Panels not available) 7mm PVC (3.3W/m²k) - RAL1003, RAL5002 (Clear Vision Panels not available)
Vision Panels	2 or 3 rows, custom rows and sizes available, Full Vision
Ventilated Panels	1, 2, or 3 rows, custom rows and sizes available, Full Ventilation
Safety	Virtual Vision Extended LED Display 2000mm Tower Beam Safety Sensors IP67
Emergency Egress	Counter Balance Manual Release Manual Break-Out UPS Battery Backup (Single Phase) Side Emergency Exit
Other Features	90mm Guides for low side clearance Opening speed up to 3.0m/second – variable

DIMENSIONS

FRONT ELEVATION VIEW

FLOOR PLAN VIEW