



# Ramdoor™ Plus

- ✓ IMPROVING EFFICIENCY
- ✓ SAVING ENERGY
- ✓ REDUCING COSTS!



Ramdoor™ Plus  
Hi-Speed Door -  
the rugged external  
rapid roller door with  
Crash Out Facility,  
counterweight assisted  
opening and heavy duty  
Ramhide door blade.

#### Union's Ramdoor™ Plus key features:

For external openings where  
high wind loadings are  
anticipated

Ideal for frequently used  
doorways

Standard Size Range – up to  
7m wide x 7m high

Opening speed typically  
1.0 m/s

Crash-Out damage  
protection feature with  
manual reset

Various 'windbar'  
configurations available

Suitable for use by all  
traffic types

Can be mounted internal  
or external.



**Lifetime Warranty Scheme** now included!



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## Standard Specification

### **'CRASH-OUT & MANUAL-RESET':**

Ramdoor includes the unique 'Crash-Out & Manual-Reset' facility for which Union's range of Hi-Speed Doors is famous.

### **DOOR BLADE:**

'Ramhide' – 3mm thick 2 ply laminated PVC coated polyester monofilament with anti-static additive. Fire retardant to ISO 340. Suitable for arduous environments. Full width clear PVC vision panel. Reinforced at regular intervals with encapsulated steel wind bracings. (Option – Fully Opaque Blades - as illustrated, and non-standard blade configurations.)

### **DOOR BLADE COLOUR:**

Standard Colours: yellow, blue, red, grey & white.

### **COLUMNS & SIDE GUIDES:**

6mm thick steel rectangular hollow section columns. 200mm deep pressed steel blade guides (bolt-on construction for quick and easy replacement), c/w brush seals.

### **TOP ROLLER:**

5mm wall steel tube terminating at each end with 40mm diameter stub shafts running in self aligning bearing units.

### **BOTTOM BAR:**

Steel rectangular hollow section sandwiched between two stainless steel bottom bar pressings, fitted with full padded dust seal and Safety Buffers.

### **FINISH:**

Steel parts and bracketry de-greased, blast cleaned, pre-treated with anti-corrosive primer and finished with hygienic anti-bacterial powder coating Standard Colour: Grey RAL 7043. (Any RAL colour available as an option.).

### **DRIVE:**

1.5Kw foot mounted brake geared motor unit driving the top roll via a duplex chain drive.

### **BACK BAR & TOP SEAL:**

A steel cross member bolted to the columns carries the fixing brackets and supports the top seal and a brush strip damper.

### **SPEED:**

**Door opening:** Variable up to 1.6m/sec (maximum)

**Door closing:** Variable up to 0.7m/sec (maximum)

### **CONTROL:**

Combined with an inverter for smooth starting and stopping to reduce mechanical wear the system enables safety monitoring and the precise adjustment of parameter settings to control the door under normal use. Housed in a 500mm x 500mm x 210mm deep IP54 rated cabinet, powder coated red, c/w Perspex diagnostic viewing window, 'Open' push button, 'Close' push button & emergency stop button.

### **SIDE SEALS:**

The standard fixing position of a Ramdoor is 200mm inboard of the opening fixing face to accommodate the 'Crash-Out' facility. This is infilled using 2mm thick, galvanised & powder coated side seals.

### **WINDBAR:**

Included - one heavy duty face or reverse side mounted 'windbar' raised and lowered on webbings and comprising a 4" o/d powder coated aluminium CHS fitted with heavy duty 8-wheel bi-planer end carriage assemblies and running in heavy duty 3mm rolled steel tracking fitted to the columns.

### **SAFETY:**

**Double Photo-electric Cells** – To inhibit the door blade from closing if an obstacle is present adjacent to the front or rear of the doorway, two IP67 rated photocell and reflector units, protected with heavy duty steel covers, are fitted at low level to the front and reverse of the door columns.

**Light Curtains** – To prevent the door blade from closing on any obstacle present below the bottom bar, Light Curtains are fitted inside the side guides, 45mm from ground level and, as dictated by the size of the door, up to the maximum legal height requirement of 2.5m.

**Manual Brake Release** – In the event of power failure a pull cord is provided to release the brake lever in order to raise the door with minimal manual assistance.

