

*Direct Drive*  
**MAXDOCK™**

ARCHITECTURAL SPECIFICATIONS

PerforMax Industrial Doors  
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## PART 1: GENERAL

### 1.1 General

Architectural Specifications describe criteria, product, manufacture delivery & installation of the MaxDock rubber door.

### 1.2 Product Specifics

- A. MaxDock rubber door has sturdy guides and a secure locking system to provide near airtight seal and breakaway feature for simple reinsertion.
- B. After accidental impact, the door must be resettable with normal tools and equipment.
- C. SBR rubber curtain for service temperature range of -40F to +180F (-40C to +85C), with proper heating cables when required.

### 1.3 Shop Drawings/Submittals

- A. Submit shop drawing showing all pertinent dimensions including: Shop Drawing, Product Data, Samples Electrical Requirements and Mock-Ups. Provide curtain or guide color samples as requested.
- B. Indicate each type of door, required clearances, and electrical required including voltages, size of motors, auxiliary controls and wiring diagrams.
- C. Indicated installation handling.
- D. Requires sign off/approval on shop drawing & purchase order prior to manufacturing.

### 1.4 Installation Criteria

- A. Installer must be a factory authorized dealer.
- B. Field verification prior to shop drawing approval.

### 1.5 Warranty

- A. Limited Lifetime warranty on RhinoMax rubber curtain.
- B. One (1) year warranty on all other components.

## PART 2: PRODUCTS

### 2.1 Materials

- A. The MaxDock rubber door model and all components are manufactured & assembled by Performax Global.
- B. Substitutions will not be accepted.

### 2.2 Curtain Material

- A. Two (2) layers of Styrene Butadiene Rubber (SBR) each 3.2mm (1/8") thick, 70 durometers; reinforced with 1-ply, 50kg (110lbs.) polyester cord center. Material provides normal resiliency and flexibility at temperatures ranging from -40F to +180F (-40C to +85C).
- B. End locks are attached to the edges of the curtain material. Curtain locks to be lubrication free. Rubber curtain shall have uniform edges.
- C. Standard Color: Black. Optional: Blue or Gray (EPDM rubber).

### 2.3 Guides

- A. Guides shall be two-piece rolled steel. End Locks to move freely in the guides at all times. Steel guides to release curtain during accidental impact yet remain rigid during normal operation.
- B. Side guide: Mounting steel guide is provided for installation directly onto concrete or steel door framing. Guides to be galvanized. Aluminum guides or hinged guides will not be accepted.

### 2.4 Bottom Bar

- A. Bottom bar shall extend the full operating width of the curtain. The bottom bar shall be constructed of two powder coated safety yellow steel angles bolted together and shall have a break out section to reduce risk of damage during accidental impacts. Spliced bottom bars or aluminum bottom bars will not be accepted.
- B. Bottom bar to have rubber loop astragal to seal against the ground.

### 2.5 Roll-Up Barrel

- A. The curtain is to be rolled on a tube of sufficient size to carry the door load with a deflection of not more than 2.5mm/m. Both the drive tube shafts are to be constructed of minimum 1 1/2" cold rolled steel shafts.
- B. Springless type tube only. Doors with concealed springs or exposed spring will not be accepted.
- C. Square head plates constructed of powder coated steel and heavy duty bearings with cast iron housings to support the drive tube.

### 2.6 Drive

- A. Operators will be direct drive with no chains, pulleys or other intermediary equipment.
- B. Operators shall have safety viscosity governors.
- C. Operator to have emergency chain hoist for ground level operation in case of power failure without any special tools or equipment.
- D. Operator to be 230 volt or 460 volt, 3 phase, 60 HZ. Motor size to be PerforMax Global recommended size for given door.

## **PART 3: EXECUTION**

### **3.1 Installation**

- A. Install doors in accordance with manufacturer printed instructions by a factory trained & authorized installer.