

MAXFOLD™

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 MaxFold vinyl door.

1.2 Product Specifics

- A. MaxFold vinyl door has sturdy guides and a secure locking system to provide closure for large openings.
- B. PVC curtain for service temperature range of -40F to +158F (-40C to +70C), 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.

Part 2: Products

2.1 Materials

- A. The acceptable PVC fold-up door is MaxFold, direct-drive springless design.
- B. Substitutions will not be accepted.

2.2 Curtain Material

- A. Two (2) layers of Polyvinyl Chloride (PVC) each 0.9mm (1/32") thick, reinforce with 1-ply, 50kg (110lbs.) polyester cord center. Material provides normal resiliency and flexibility at temperatures ranging from -40F to +158F (-40C to +70C).
- B. Galvanized steel structure in-between PVC layer with heavy duty strap connect to motor to hold curtain into guide.
- C. Standard Color: Blue.

2.3 Guides

- A. Guides shall be two-piece 11 gauge rolled steel.

- 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 Roll-Up Barrel

- A. The reinforcement straps are to be rolled on a tube of sufficient size to carry the door load. As the straps are rolled onto the tube the door curtain sections will fold upon opening.
- B. Springless type tube only. Doors with concealed springs or exposed spring will not be accepted.

2.5 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 be 460 volt, 3 phase, 60 HZ. Motor size to be PerformMax Global recommended size for given door.

2.6 Control Panel/Electrical Operator

- A. Panel enclosure to be NEMA 4.
- B. Drive system will have Variable Frequency Drive with soft start / soft stop operation.
- C. Option: Panel enclosure to be UL listed. Control panel shall have push button & cycle counter.
- D. Speed controls shall be locked down and only changeable by a factory authorized and trained technician.

2.7 Optional Activation Accessories

- A. Magnetic loop indicators
- B. Ceiling pull switches
- C. Motion sensors
- D. Remote control with open/close/stop

Part 3: Execution

3.1 Installation

- A. Install doors in accordance with manufacturer printed instructions by a factory trained & authorized installer.
- B. All electrical wiring including power supply and control and wiring to be done by a licensed electrical contractor.
- C. Prior to startup of operation, have installer return and check operation and limits.