

Hörmann Flexon LLC, Starpointe Business Park, 117 Starpointe Boulevard, Burgettstown, PA 15021-9506

Hörmann Flexon LLC

High Performance Doors

Starpointe Business Park
117 Starpointe Boulevard
Burgettstown, PA 15021-9506
Toll Free +1 800 365 3667
Phone +1 724 385 9150
Fax +1 724 385 9151
E-Mail info@hormann-flexon.com

SPEED-COMMANDER™ 1200

Section 08330 rev. 4.2.15

PART 1 – GENERAL

A. SECTION INCLUDES

1. Industrial interior/Exterior Fabric roll-up doors.
2. Wiring from remote fused disconnect box to operator to control station.

B. RELATED SECTIONS

1. None

C. REFERENCES

1. NEMA - National Electrical Manufacturers Association.
2. VDE - The Association for Electrical, Electronic & Information Technologies, Germany

D. SUBMITTALS - Submit the following:

1. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.
2. Product Data: Provide general construction, component connections and details, and electrical equipment, operation instructions, and information.
3. Samples: Submit samples of door slat material upon request
4. Manufacturer's Installation: Indicate installation sequence and procedures, adjustment, and alignment procedures.

E. MAINTENANCE DATA

1. Scheduled maintenance program available to include periodic adjustments required, scheduled maintenance suggested, manufacturer's data sheets, and equipment inter-connection diagrams.

F. REGULATORY REQUIREMENTS

1. Electrical components VDE listed.
2. Electrical control panel NEMA 3 approved.

G. QUALITY ASSURANCE

1. Furnish Industrial roll doors and all components and accessories by one manufacturer.
2. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity, and trained and authorized by the door manufacturer to perform the work of this section.

H. FIELD MEASUREMENTS

1. Verify field measurements are as indicated on shop drawings.

I. COORDINATION

1. Coordinate the work with installation of electric power and locations and sizes of conduit.

J. WARRANTY

The motor is guaranteed against defects in materials and workmanship for a period of 3 full years. All other mechanical and electrical components are warranted against defects for a period of 1 full year. Products with less than a 3/1 year warranty will not be accepted. During the warranty period, labor is covered for the first year.

PART 2 - PRODUCTS

2.0 ACCEPTABLE MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements provide products of the following:
1. Manufacturer of High Speed Roll-Up Doors: Hörmann Flexon LLC, High Performance Doors, Starpointe Business Park, 117 Starpointe Boulevard, Burgettstown, PA 15021-9506 / Phone: (800)-365-3667 / (724) 385-9150 Fax: (724) 385-9151 / Website: www.hormann-flexon.com / Email: sales@hormann-flexon.com
 2. Model: Speed-Commander™ Series – Model 1200

2.1 MATERIALS

A. GUIDE TRACKS

1. Vertical guide tracks must be a two-piece design, have removable front covers and the following dimensions: 7-1/4" wide by 4-1/2" projection.
2. Guide track must be self-supporting, 12 gauge hot-dipped galvanized steel. Lighter gauge guide tracks will not be accepted.
3. Optional hood shall be 14 gauge.

B. WEATHERSEALS

1. Guide tracks must contain dual seals. No exceptions.
2. Must include full width lintel seal providing additional sealing at the top of the door panel.
3. Must include seal at bottom of the door panel to allow for uneven floors.

C. DOOR PANEL

1. Panel material to be:
 - a. High impact, tear resistant material available in Blue and Black
 - b. Screen material- Blue Fabric using .025" dia. vinyl coated 1000 den. polyester core yarn in warp .025" dia. vinyl coated 1000 den. polyester core yarn in the fill.
 - c. 2-ply 58 oz. / sq. yard, abrasion resistant reinforced PVC. Material to maintain flexibility and stability from -22 degrees F to +158 degrees F. Colors available include: Pure Orange RAL 2004, Gentian Blue RAL 5010, Zinc Yellow RAL 1018, Carmine Red RAL 3002, Agate Gray RAL 7038. Pure White RAL 9010 is available only in 30 oz. / sq. yard. Lighter weight, single ply, polyurethane or rubber panels will not be accepted.
2. Optional panel section to be of high quality, clear PVC material by the full width of opening X 35" high, starting approximately 52" from the floor to accommodate both pedestrian and vehicular traffic. No exceptions.
3. Bottom profile must be designed to break away from the guide tracks in the event of impact.
4. Panel must include profiles to serve as panel stabilizers, of sufficient number to accommodate existing conditions and shall be an integral part of panel construction.

D. EMERGENCY OPERATION

1. Via manual disconnect of power to the motor and crank handle for manual opening of the door. Optional emergency opening via chain hoist available.

E. DRIVE SYSTEM

1. 3-phase or Single Phase direct-drive motor / AC drive of sufficient power to raise door at rated speed.
2. Motor is self monitoring and, has sealed bearings and is maintenance free.
3. Maximum opening and closing speed of 14 inches per second.
4. Drive system NEMA 3S (dust tight, rain tight, sleet tight, outdoor rated).

F. CONTROL PANEL

1. Supply manufacturer's standard control box with a 230 v / 3-phase / 60 Hz or 110 v / 1-Phase / 60 Hz power. Doors with contactor boxes will not be accepted.



2. Control box must include Open/Close/Stop Buttons on cover
3. Must include an adjustable time delay.
4. Standard power requirement is 230 v / 3-phase 1kw or 110v /1-Phase 1 kw
5. Must include cycle counter.
6. Must include self-monitoring and self-diagnostic features with seven segment display
7. Control panels that require a portable computer unit, additional components or other devices for programming and/or troubleshooting will not be accepted.
8. Maximum control box dimensions of 7.5" wide x 11.8" high x 4.5" deep allowing for applications with limited space.
9. Door to use encoder to regulate door travel limits. Door travel limits to be adjusted without the use of tools from floor level at the control panel. Doors using mechanical limits switches or doors that require tools to set the limits will not be accepted.

G. COUNTERBALANCE

1. No counter-balance or panel tension system requiring cables, chains, straps, springs, or pulleys to be included. No exceptions.

H. LIGHT CURTAIN: Optional Light grid up to 8'0" is standard and built into the guide tracks.

I. WINDLOAD: Interior/Exterior door recommended for wind loads no greater than 40 MPH.

J. All components factory finished.

PART 3 – EXECUTION

A. PREPARATION

1. Coordinate installation of fabric roll up doors. Examine the conditions under which the doors are to be installed and do not proceed with the work until unsatisfactory conditions have been corrected.

B. INSTALLATION

1. General: Comply with manufacturer's detailed instructions for the installation of fabric roll-up door. Electrical field wiring by an electrician to include remote fused disconnect.

C. FINAL ADJUSTMENT

1. Make necessary adjustments for safe, efficient operation of fabric roll-up doors.

END OF SECTION