

# CORROSION PREVENTION & CONTROL (CPC) DOORS KNOWLEDGE AREA

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## Summary Information

The list that follows is provided as expansive information in support of the *Doors Knowledge Page*. While it is not a complete list, it does provide insights into the complexity of the design and sustainment of door systems.

### Door Types Summary

- Steel Doors (Standard, Heavy Duty, Extra Heavy Duty, Maximum Duty)
- Custom Hollow Metal Doors
- Insulated Steel Door Systems
- Sound Rated Steel Doors
- Aluminum Doors
- Metal Storm Doors
- Sliding Metal Doors
- Overhead Coiling Doors
- Overhead Roll-Up Doors
- Vertical Lift Doors
- Corrosion Control Hangar Doors
- Steel Sliding Hangar Doors (e.g. Individually Operated, Floating Group, Anchored Group)
- Rolling Service and Fire Doors
- Fire and Smoke Doors
- Oversized Doors
- Sectional Overhead Doors
- Blast Resistant Doors (Oval Arch Magazines)
- Fiberglass Doors
- Typhoon Shutters
- Store Fronts
- Exterior Louvers (and Screens) (see *MDACS* p95)
- Fire Rated Doors and Frames
- Oversized Coiling Fire-rated Door Assemblies

- Interior Doors (as related to micro-environment and moist high-ESC Zones)
- Wood Doors and Frames (not to be used on exterior and in high-ESC Zones)

### **Door Materials and Finishes Summary**

- Hot-dipped Galvanized Steel, Bonderized, Baked Enamel Finish
- Stainless Steel
- Aluminum (anodic, organic coatings)

### **Exterior Door Accessories Summary**

- Frames (steel, aluminum)
- Springwires
- Tracks
- Counterbalances
- Chain Hoist Operators and Drives
- Brakes, Clutches, Weather/Smoke Seal Sensing Edge
- Push-Up Operators
- Hinges
- Brackets
- Rollers
- Locking Devices
- Motors
- Controls
- Entrapment Protection Devices
- Weather Seals and Sensing Edges
- Weather Stripping
- Curtain Materials
- Non-Insulated Curtains
- Insulated Curtains
- Curtain Bottom Bars
- Locks and Locking Devices
- Safety Interlock
- Overhead Drums
- Slats
- Hardware
- Equipment Supports
- Hoods
- Counter-Balancing Mechanism and Barrels
- Spring Balances
- Torsion Rods for Counter Balance
- Manual Door Operators
- Manual Push-Up Door Operators
- Manual Chain Hoist Door Operators

- Manual Crank-Hoist Door Operators
- Electric Door Operators
- Electric Component (Motors, Bearings, Starters, Controls, Enclosures)
- Transformers
- Safety-Edge Devices
- Remote-Control Stations
- Speed-Reduction Units
- Wheel Assemblies
- Fixed-Pancake Top-Guide Rollers
- Vertical Floating-Head Top-Guide Rollers
- Personnel Doors, Frames and Hardware
- Electrical Interlocks
- Operating Units and Braking Systems
- Limit Switches (plunger-type, lever-arm-type)
- Safety Edges
- Warning Devices
- Louvers (interior, exterior)
- Astragals
- Moldings
- Insulation Cores
- Standard Steel Frames (welded, knock-down, mullion and transom bars, stops and beads, terminated stops, cased openings, anchors)

#### **Submittals Summary**

- Manufacturer's and installer qualifications
- Shop drawings
- Product data
- Design data
- Closeout submittals
- Operation and maintenance data
- Design drawings covering door structure, operating devices, mechanical systems and "U" value
- Construction details, installation and operations, thickness of materials, joints and connections, reinforcing, hardware, mechanical devices, electrical devices, design and detail date for work other trades affected by hangar doors
- Schematics (e.g. compressed air, wiring, piping, related equipment, etc.)
- Hangar door electrical details, design drawings, data, wind loads, deflections, connections, cold-formed steel members

#### **Quality Assurance and Manufacturer's Qualifications**

- Qualifications delineated in criteria
- Installation supervised by manufacturer's representative with explanation of

qualifications

- Warranty
- Delivery and storage requirements, including storage and handling to prevent damage

#### **Exterior Door Hardware and Locks**

- See [UFGS 08 71 00 Door Hardware](#)