Steel Commercial Double Fire Door | JuSen

SKU: 1601288954565 | Category: Fire Rated Door



Product Overview-Steel Commercial Double Fire Door

Built with 16-gauge galvanized steel face sheets and a mineral wool core, these double doors achieve certified fire ratings of 1, 2, or 3 hours per UL 10C and BS 476 Part 22. The frame is constructed from 14-gauge steel with continuous hinge reinforcement, rated for over 1,000,000 cycles. Available in custom sizes up to 8 ft wide by 10 ft tall, these doors provide reliable compartmentalization for commercial egress and industrial openings.

Key Specifications

Material	16-gauge galvanized steel (face sheets), 14-gauge steel (frame)
Door Thickness	1-3/4 inches (44 mm)
Fire Rating	1-hour, 2-hour, or 3-hour per UL 10C / BS 476 Part 22
Core	Mineral wool (density 160 kg/m³) with intumescent seals
Finish	Primed for field painting or polyester powder coat (RAL colors)
Max Size	8 ft width x 10 ft height (2,438 mm x 3,048 mm)
Warranty	5 years against manufacturing defects

Available Options

- Single door widths: 36, 42, 48 inches; double door widths: 72, 84, 96 inches
- Finish: primed gray, white polyester powder coat, or custom RAL color
- Hardware: stainless steel hinges, panic bars, electric strikes, or mortise locks
- Glass: wire glass vision panels (100 x 300 mm) with fire-rated glazing beads

Applications

- Commercial stairwell enclosures requiring 2-hour fire separation per IBC
- Industrial warehouse firewalls between storage and processing zones
- Hotel corridor doors serving as smoke barriers in egress paths
- Power plant or utility room entrances needing 3-hour rated openings

Customization Capabilities

Dimensions can be tailored to fit existing openings within 8 ft by 10 ft max. Frame depth, jamb profile (single or double rabbet), and hinge location are adjustable. Glass vision panels, louvers, or kick plates can be added with fire-rated components.

Packaging & Shipping

Each door is packed in a reinforced cardboard carton with corner protectors, strapped to a pallet. Frames are bundled separately with protective corner guards. Shipping via FCL (20 ft or 40 ft container) with door numbers labeled for easy identification.

Why Choose Us

- Direct factory pricing with no minimum order quantity for standard sizes
- Third-party fire test reports (UL 10C, BS 476) available for project submittals
- Custom fabrication in 15-20 working days for non-standard dimensions

Frequently Asked Questions

What fire certifications do these doors carry?

These doors are certified per UL 10C for positive pressure fire tests (1, 2, or 3 hours) and BS 476 Part 22 for integrity and insulation. Copies of test reports and labels are provided with each shipment. Local code acceptance should be verified for specific jurisdictions.

Can I get these doors with a custom color finish?

Yes. Standard finish is primed gray for field painting. For factory-applied polyester powder coat, any RAL color is available with a 7-10 day lead time. Gloss levels range from 30% to 70% depending on color selected.

Are these doors suitable for exterior use in coastal environments?

The 16-gauge galvanized steel base provides corrosion resistance, but for coastal or high-humidity locations, we recommend a hot-dip galvanized finish (ASTM A653) or stainless steel face sheets (304 grade). Standard primed doors should not be used in direct salt spray exposure.

What is the maximum opening frequency these doors can handle?

With continuous hinge reinforcement (full-height 14-gauge steel hinges), these doors are rated for over 1,000,000 cycles at 50 lbs weight. For higher traffic (e.g., school corridors), option for heavy-duty hinges with ball bearings increases cycle life to 2,000,000+ cycles.

How are these doors packed for international shipping?

Each door is individually wrapped in polyethylene sheeting, then placed in a corrugated cardboard carton with foam corner protectors. Doors are stacked vertically on pallets and banded. Frames are packed in separate bundles with edge protectors. All packaging is suitable for ocean freight and meets ISPM 15 standards.

Specifications

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Get a Quote

For factory-direct pricing, samples and lead times, contact our project team.

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