Wood Grain PVC Steel-wood Composite Security Door Fire Prevention Commercial Entry Anti-pry Door

SKU: 107823449007 | Category: Steel Doors



Hero Summary

We supply security entry doors designed for commercial and interior applications where fire prevention and structural integrity are required. These steel-wood composite doors utilize a hybrid material construction that combines a steel core with wood-grain PVC surface finishing, delivering both physical security and aesthetic versatility for procurement managers and distributors managing commercial or garden entry projects. The push-and-pull opening mechanism supports straightforward operation suitable for high-traffic environments, while the postmodern design style accommodates contemporary architectural requirements. Full project solution capability is available for bulk procurement, including online technical support for installation planning and specification compliance.

Key Selling Points

- Fire Prevention Performance: Fire prevention feature integrated into door construction, meeting commercial safety requirements for entry and interior applications.
- Steel-Wood Composite Construction: Hybrid material combines steel core strength with wood-grain PVC surface, offering security without sacrificing design flexibility.
- Postmodern Design Style: Contemporary aesthetic suitable for modern commercial and garden environments, with wood-grain finish that complements varied architectural styles.
- Total Project Solution Capability: Supplier provides comprehensive support for commercial projects, from specification to delivery, simplifying procurement for distributors and contractors.
- Online Technical Support: After-sale online technical assistance ensures proper specification matching and performance optimization for each installation environment.

Technical Specifications

Attribute	Specification
steel-wood composite	Shandong, China
Position	Interior, Commercial, Garden
Material	Steel-Wood Composite
Feature	Fire Prevention
Opening Method	Push and Pull
After-sale Service	Online Technical Support
Project Solution Capability	Total Solution for Projects
Application	Entry
Design Style	Postmodern

Product Features

Feature	Performance	Why It Matters
Steel-Wood Composite Material	Steel core with wood-grain PVC surface	Provides structural rigidity from steel while the wood-grain finish allows the door to blend with interior or garden aesthetics, eliminating the industrial appearance of bare metal.
Fire Prevention	Integrated fire-resistant construction	Compliance with commercial safety codes is simplified; the fire prevention feature reduces risk in high-occupancy areas such as office buildings or commercial entryways.
Push and Pull Opening Method	No handle or latch required; push-and-pull operation	Enables hands-free or easy passage in high-traffic commercial settings, reducing wear on mechanical components and improving accessibility.
Total Project Solution Capability	End-to-end project support from specification to delivery	Procurement managers can source a complete door solution from a single supplier, reducing coordination complexity and ensuring consistent quality across multiple units.

Applications

Commercial Entry Doors

Office building entrances, retail storefronts, and institutional facilities benefit from the steel-wood composite construction that provides security while maintaining a professional wood-grain appearance. The fire prevention feature supports compliance with commercial building codes, and the push-and-pull operation facilitates high-traffic flow.

Interior Fire Doors

Corridor doors, stairwell access points, and room separators within commercial buildings require fire-rated assemblies. These doors deliver fire prevention capability in a postmodern design that integrates with modern interior architecture, suitable for hotels, hospitals, and corporate offices.

Garden and Perimeter Entry

Garden walls, courtyard entrances, and commercial landscape access points benefit from weather-resistant steel-wood composite construction. The wood-grain PVC surface resists moisture and UV exposure better than natural wood, while the steel core provides anti-pry security for perimeter applications.

Competitive Comparison

Factor	Steel-Wood Composite Door	Solid Wood Door	All-Steel Door
Material Construction	Steel core + wood-grain PVC surface; hybrid strength and aesthetics	Natural wood; requires maintenance and is vulnerable to moisture	Full steel; maximum security but industrial appearance
Fire Prevention	Integrated fire prevention feature	Limited; requires chemical treatment for fire rating	Fire-resistant but may lack aesthetic flexibility

Design Flexibility	Postmodern style with wood-grain finish; multiple visual options	High natural beauty but limited to wood grain patterns	Minimal; typically painted or powder-coated only
Project Solution Support	Total solution capability with online technical support	Typically product-only; no integrated project support	Product-only; requires separate specification consulting
Maintenance Requirement	Low; PVC surface resists moisture, rot, and insects	High; requires periodic sealing, painting, and pest control	Moderate; may require rust prevention and repainting

OEM & Customization

Customizable Aspects: Door dimensions can be adjusted to fit specific entry openings. Surface finish options include custom wood-grain patterns and color matching using Pantone references. Logo application methods such as embossing, digital printing, or applied signage are available for branding commercial entrances. Hardware integration can be tailored to match existing access control systems or security requirements.

Design Collaboration: Your architectural drawings or design specifications can be used to produce doors that match project-specific aesthetic and functional requirements. The postmodern design base can be refined to align with brand identity or regional architectural preferences.

Specification Support: Technical data sheets and performance documentation can be prepared to support project bids, building permit applications, and compliance submissions. Online technical support is available throughout the design and specification phase.

Volume Production: Batch production for commercial projects is supported, with consistent quality control across multiple units. Bulk orders can be coordinated with project timelines to ensure phased delivery as needed.

Packaging & Shipping

Packaging Options: Standard export packaging available. Custom packaging options include protective corner guards, shrink wrapping, and reinforced crating for doors to prevent surface damage during transit.

Shipping Capability: Shipments from Shandong, China, with logistics coordination for containerized sea freight and less-than-container-load (LCL) options. Delivery scheduling can be aligned with project milestones for phased installations.

Lead Time Considerations: Production lead time varies by order volume and customization complexity. Contact our sales team for current lead time estimates based on your specific quantity and specification requirements.

Why Choose Us

Project-Ready Solution Provider: Our steel-wood composite security doors are backed by total project solution capability, meaning procurement managers receive specification guidance, production coordination, and after-sale technical support from a single source—reducing administrative overhead for commercial door projects.

Material Expertise: We specialize in steel-wood composite construction, a material category that balances security (steel core) with design flexibility (wood-grain PVC). This hybrid approach allows us to serve both safety-conscious commercial buyers and design-oriented projects without compromising either requirement.

Fire Prevention Focus: Every door we supply includes integrated fire prevention features, addressing the growing regulatory demand for fire-rated entry solutions in commercial and multi-unit residential buildings. This eliminates the need for buyers to source separate fire-rated components.

Online Technical Support: Our after-sale service includes online technical support, enabling remote troubleshooting, specification verification, and installation guidance. This is particularly valuable for international buyers who cannot rely on on-site service from local suppliers.

Postmodern Design Capability: We offer postmodern design style options that differentiate our doors from standard industrial security doors, making them suitable for architecturally sensitive commercial environments, garden entries, and interior applications where visual appeal matters.

Frequently Asked Questions

What does steel-wood composite mean for a security door?

Steel-wood composite construction uses a steel core for structural strength and security, with a wood-grain PVC surface layer bonded to the steel. This provides the anti-pry resistance of steel while allowing the door to have a natural wood appearance that suits interior and garden applications. The PVC surface also resists moisture, rot, and insect damage better than natural wood.

Is this door suitable for exterior commercial entry use?

Yes, these doors are designed for entry applications including commercial and garden positions. The steel core provides anti-pry security, while the wood-grain PVC surface is weather-resistant. The fire prevention feature adds safety compliance for commercial exterior doors where building codes require fire-rated assemblies.

How does the push-and-pull opening mechanism work?

The push-and-pull mechanism allows the door to be opened by simply pushing or pulling without turning a handle or latch. This is achieved through a specialized hinge or pivot system that responds to directional force. It is particularly useful in high-traffic commercial environments where hands-free operation or easy passage is needed.

Can this door be customized for specific project dimensions?

Yes, door dimensions can be customized to fit specific entry openings. Surface finish options including wood-grain patterns and colors can be matched to project requirements. Logo application and hardware integration are also available. Contact our sales team with your project specifications to discuss customization options.

What fire prevention rating does this door provide?

The door includes fire prevention features as part of its standard construction, but specific fire ratings (e.g., 20-minute, 60-minute, 90-minute) depend on the exact configuration and testing. For project compliance, request the technical data sheet for your specific door specification to verify the fire rating applicable to your region and building code requirements.

Buyer Decision Guide

Key Factors When Choosing This Product Type: Material construction determines the balance between security and aesthetics—steel-wood composite offers a middle ground between all-steel doors (maximum security, industrial look) and solid wood doors (aesthetic appeal, higher maintenance). Fire prevention capability is critical for commercial applications where building codes mandate fire-rated assemblies; verify that the door's fire prevention features meet local regulatory requirements. Opening mechanism should match traffic patterns—push-and-pull operation suits high-traffic commercial entries where hands-free access or ADA compliance is needed. Design style must align with the architectural context; postmodern design works for contemporary commercial interiors and garden settings but may not suit traditional or heritage buildings.

How to Evaluate Supplier Capability: Look for project solution capability—suppliers who offer total solution support can coordinate specification, production, and after-sale technical assistance,

reducing the coordination burden on procurement teams. Confirm that online technical support is available for remote troubleshooting and specification verification, especially for international procurement. Verify that the supplier can handle bulk orders with consistent quality across multiple units, and request samples or technical data sheets to validate material quality and fire prevention performance before committing to large-volume procurement.

Cost vs. Value Considerations: Steel-wood composite doors typically cost more than basic hollow metal doors but less than solid hardwood doors with equivalent fire ratings. The value proposition lies in reduced maintenance (PVC surface vs. natural wood) and combined security-aesthetic performance that avoids the need for separate decorative cladding. For commercial projects requiring multiple doors, the total solution capability reduces administrative overhead and coordination costs, making the overall procurement process more efficient than sourcing from multiple suppliers.

Common Procurement Mistakes: Specifying a door based solely on material without verifying fire prevention compliance for the specific application environment—fire prevention features must match local building codes, not just general product descriptions. Overlooking the opening mechanism for high-traffic applications—push-and-pull operation reduces wear and improves flow compared to traditional handle-operated doors. Failing to coordinate door dimensions with existing frame openings or access control hardware requirements, leading to costly field modifications. Not requesting project-specific technical support documentation before order placement, which can delay project approvals and installation schedules.

Specifications

SKU	107823449007
Category	Steel Doors

Get a Quote

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

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