

FIRE DOOR SERIES

■ Standard fire doors

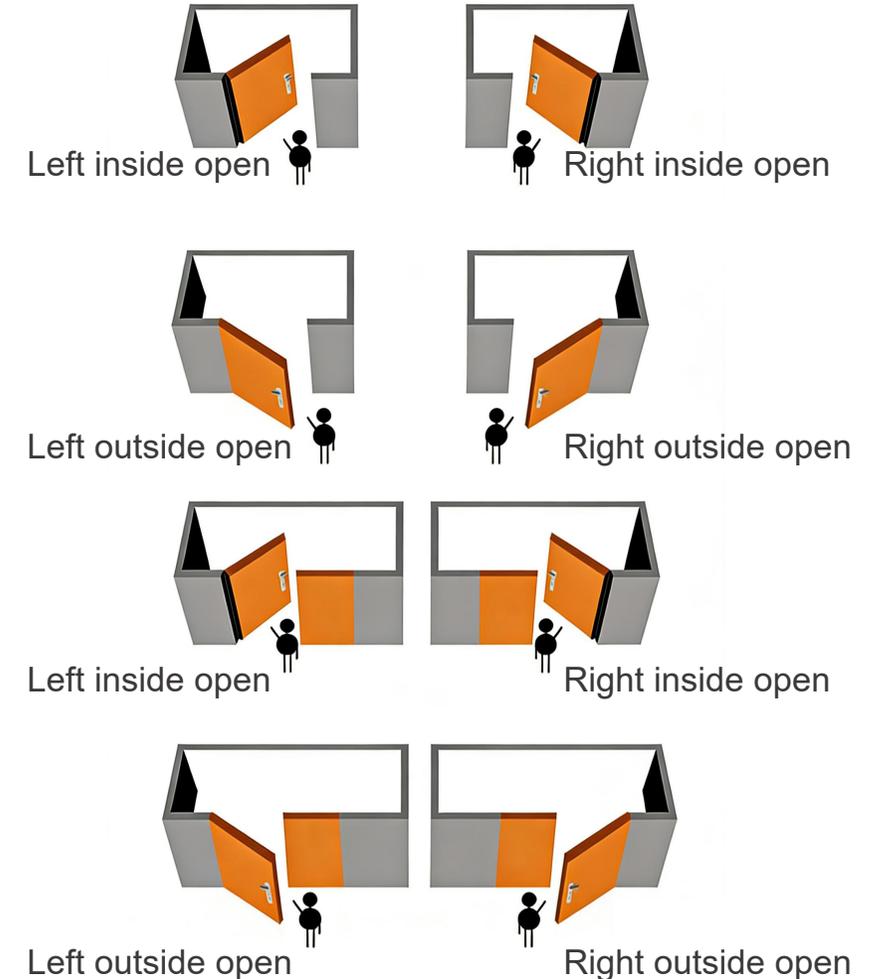
- **Certification:** US Standard WH Fire Resistance Test; US UL Certification
- **Fire resistance limit:** 2 hours 1.5 hours 1 hour 0.5 hours
- **Decorative:** Electrostatic powder coating and wood grain transfer processes are used on the door frame surface.
- Made of high-quality galvanized steel sheet, available in various colors.



Double-leaf fire door & Single fire door

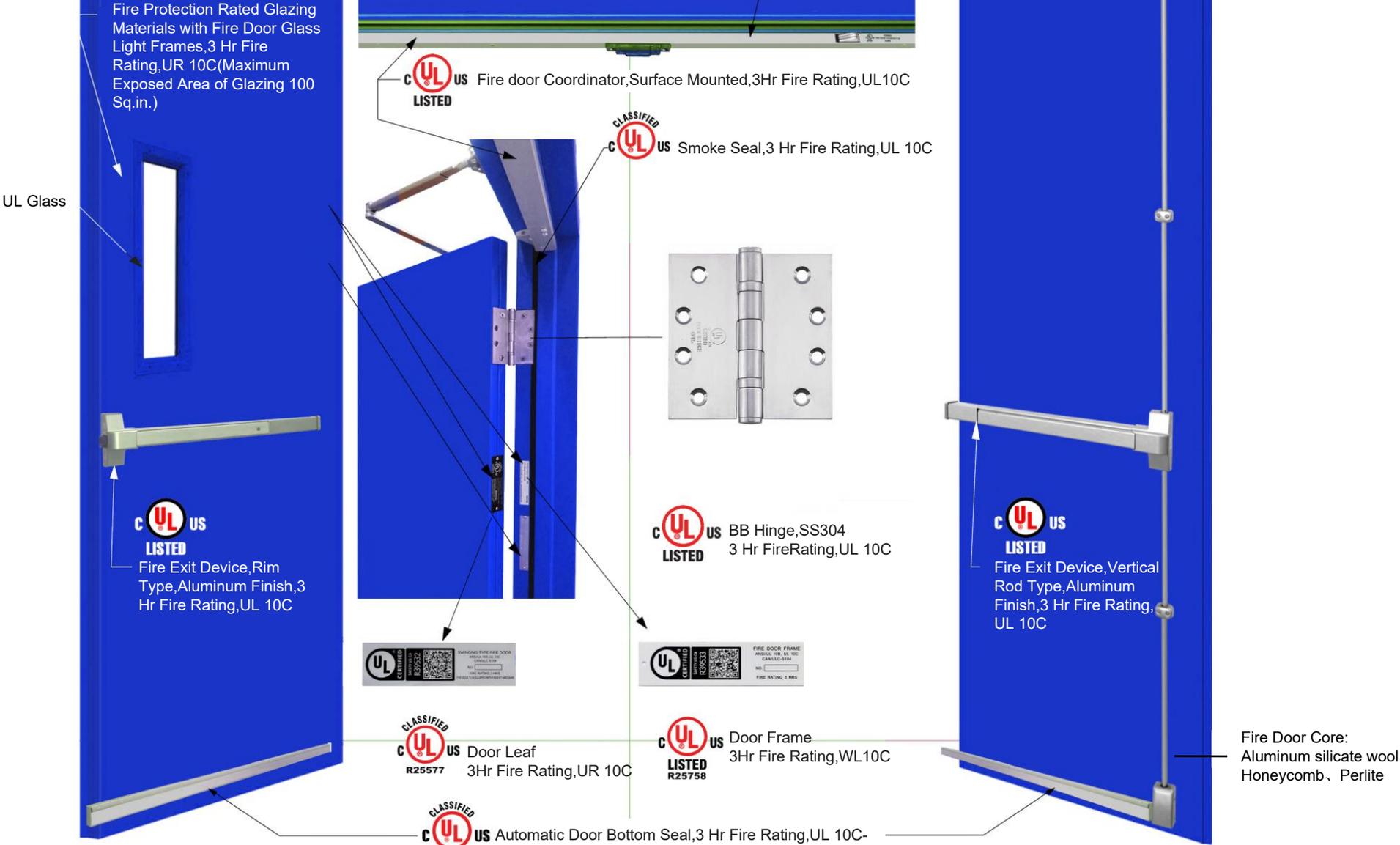
OPEN DIRECTION INDICATOR

The direction of opening the door can be based on customer need



DOOR COMPONENTS

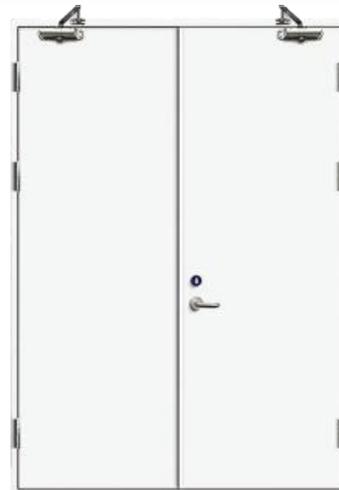
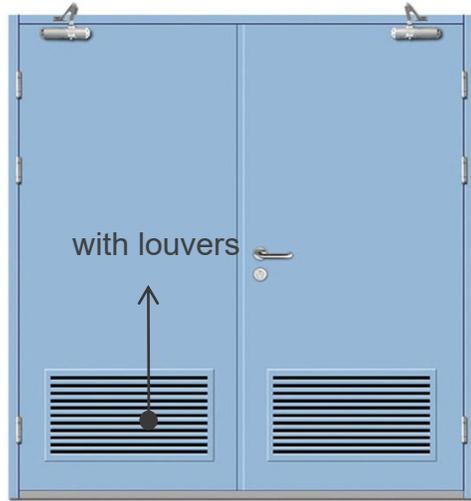
Double-leaf fire door



FIRE DOOR SERIES

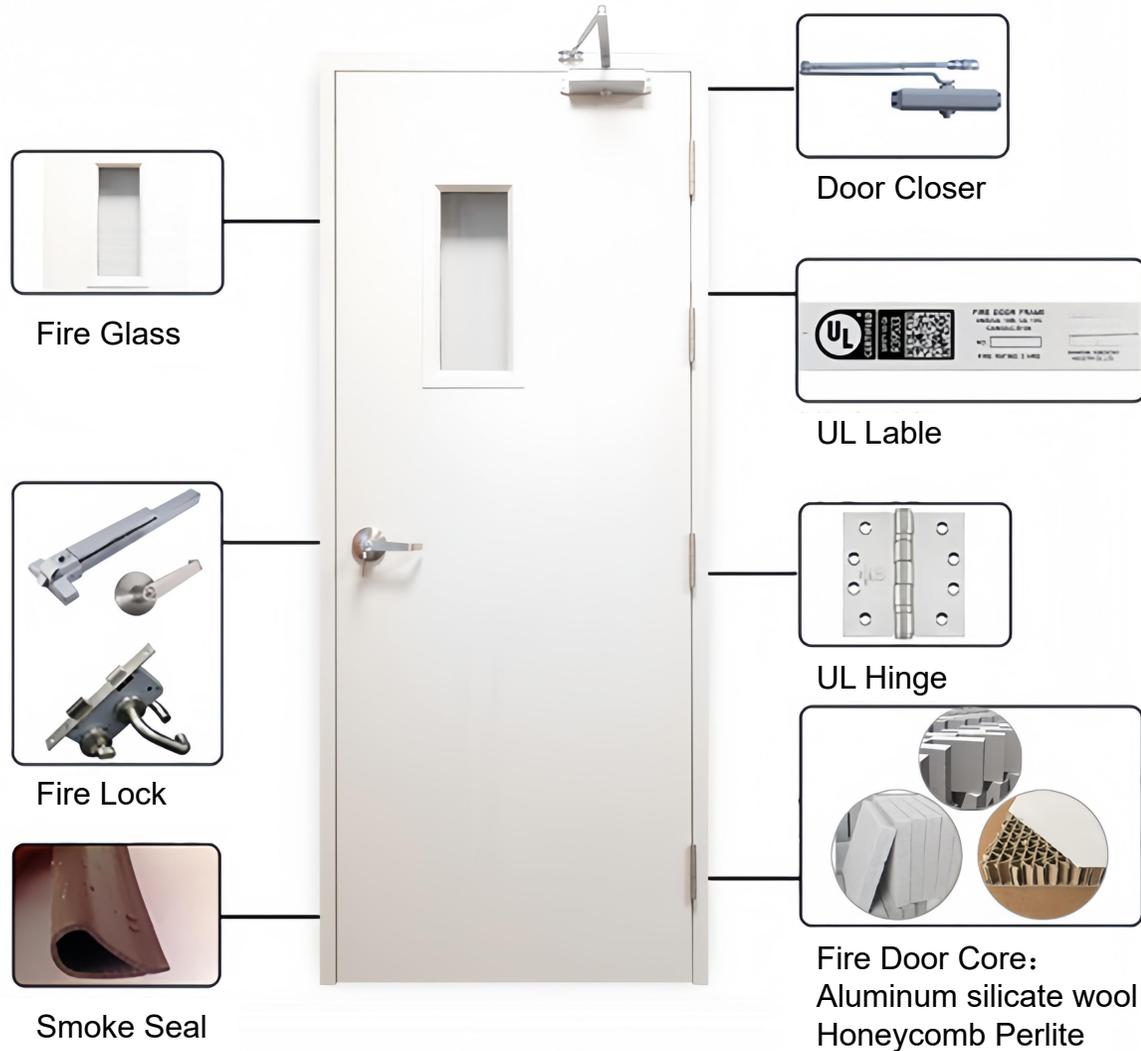
■ Standard fire doors

Double-leaf fire door

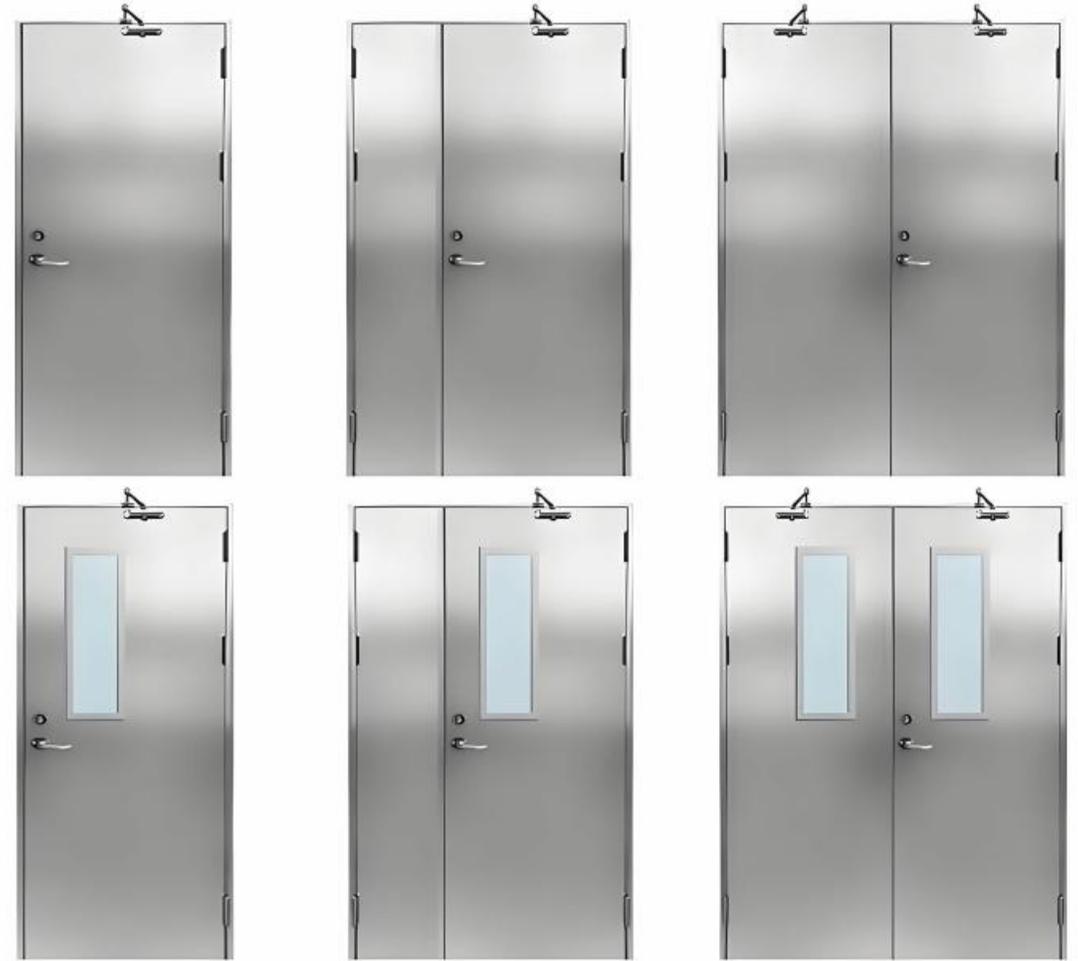


FIRE DOOR SERIES

■ Standard fire doors



Single fire door



Single-leaf door / mother-daughter door / double-leaf door
can be customized according to customer needs.

FIRE DOOR SERIES

■ Standard fire doors

Single fire door



FIRE DOOR SERIES

■ Fireproof glass doors

- **Product introduction:** A glass fire door is a movable fire-resistant partition that, in addition to the functions of a regular door, also possesses special features such as fire resistance, heat insulation, smoke isolation, and automatic closing. Normally used as a standard partition door, it provides fire and heat insulation during a fire, creating favorable conditions for owners, users, and staff, and



Fireproof glass

High-strength, high-temperature resistant fire-resistant glass is used.



Stainless steel handle / Fire lock

Ensure its durability and corrosion resistance at high temperatures.



Fireproof sealing strip

It has the effect of heat insulation and preventing the spread of fire.



FIRE DOOR SERIES

■ Fireproof glass doors

- **Implementation standards:** GB12955-2008 "Fire Doors" and CCCF-CPRZ-18:2019 "Implementation Rules for Certification of Fire Protection Products - Fire Protection Products and Fire-resistant Building Components"
- **Class A insulated glass fire doors fire resistance performance:**



Level	Fire resistance	Code name
Grade A	Fire resistance insulation \geq 1.50h Fire integrity \geq 1.50h	A1.50
Grade B	Fire resistance insulation \geq 1.00h Fire integrity \geq 1.00h	A1.00
Grade C	Fire resistance insulation \geq 0.50h Fire integrity \geq 0.50h	A0.50

WOODEN FIRE DOOR SERIES

■ Wooden insulated fireproof doors



- **Product introduction:** Wooden fire doors are fire-resistant partition components made of fire-retardant wood as the base material and equipped with fire-resistant hardware. They combine the natural texture of wood with fire-resistant and heat-insulating capabilities, and are suitable for stairwells, pipe shafts, and fire compartments in residential buildings, office buildings, shopping malls, and other buildings. They can block flames and high temperatures, buying time for escape and rescue.
- **Multiple wood grain options available; custom designs based on provided images supported:**



WOODEN FIRE DOOR SERIES

■ Wooden insulated fireproof doors



FIREPROOF WINDOW SERIES

■ Steel insulated fireproof windows



- **Product introduction:** Fire-resistant windows are constructed with steel frames and sashes, filled with non-combustible materials, and fitted with fire-resistant glass and hardware. They meet fire resistance and insulation requirements, effectively isolating and preventing the spread of fire. Fire-resistant windows are a crucial fire-resistant partitioning system in buildings, typically used on firewalls, and play a vital role in reducing fire damage.
- **Product Categories:** Fire-resistant windows are divided into two types: fixed and movable. Fixed fire-resistant windows are sealed and fixed on all four sides and cannot be opened. Movable fire-resistant windows have operable sashes that can be opened. In the event of a fire, the movable sashes can automatically close within 60 seconds using the fire-resistant window opening and closing device. The color of the paint on the surface of the fire-resistant window frame can be customized according to customer requirements.
- **Product Model:** Fixed/Mobile; Fire Resistance Time: 0.5 hours, 1 hour, 1.5 hours, 2 hours, 3 hours; Fire Rating: Class C, Class B, Class A;
- **Implementation Standards:**
GB 16809-2008 《Fire-resistant Windows》
CCCF-CPRZ-18:2019 《Implementation Rules for Certification of Fire Protection Products - Fire Protection Products - Fire-resistant Building Components》

FIREPROOF WINDOW SERIES

■ Steel fire-resistant integrity exterior windows



- **Product Introduction:** Steel Energy-Saving Fire-Resistant Integrity Window is a fire-resistant glass system made of high-temperature resistant steel, high-quality fire-resistant glass, and high-quality fire-retardant strips. Under standard fire resistance test conditions, when one side is exposed to fire, it can meet the corresponding fire resistance integrity requirements within a specified time, and also achieve the requirements for energy saving, air tightness, water tightness, and wind pressure resistance.
- **Product Advantages:**
 1. Maintains structural integrity under flame and high temperatures, effectively slowing the spread of fire to the other side;
 2. Suitable for exterior walls and fire-resistant windows exposed to direct sunlight;
 3. Utilizes a unique window sash and frame reinforcement technology to form a comprehensive fire protection system, while these technologies have no significant impact on thermal insulation and energy-saving performance.
- **Implementation Standards:**
GB50016-2014 "Code for Fire Protection Design of Buildings";
GB/T31433-2015 "General Technical Requirements for Building Curtain Walls, Doors and Windows"

FIRE DOORS & FIRE WINDOWS

■ Project cases 【Hospital】

