

Fabricated by **المستقبل**  
AL MUSTAQBAL FIBERGLASS IND.

UL 10 B, UL 10 C, NPFA 252  
Certified by INTERTEK



# FIBERGLASS FIRE RATED DOORS



Management  
System  
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018

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# FIBERGLASS DOORS

FOR ALL INDUSTRIES



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# GENERAL INFORMATION

LG fire rated fiberglass (FRP) door systems have been developed by our company in 2020 for Sea World Park and entertainment project in Yas Island. The FRP Doors have been tested approved and labeled for Fire Resistance requirement of UL 10 B, UL10 C and NFPA 252 by Thomas Bell-Wright International Consultants Laboratory in UAE.

The fire rated FRP doors are 40-45 MM thick with flush, Seamless construction and are manufactured using chemically proven fire retardant resins.

## MAXIMUM SIZES AS PER INTERTEK CERTIFICATE:

Single Leaf door assembly.

Frame: 1302 X 2500 X 150 mm (w x h x jamb width)

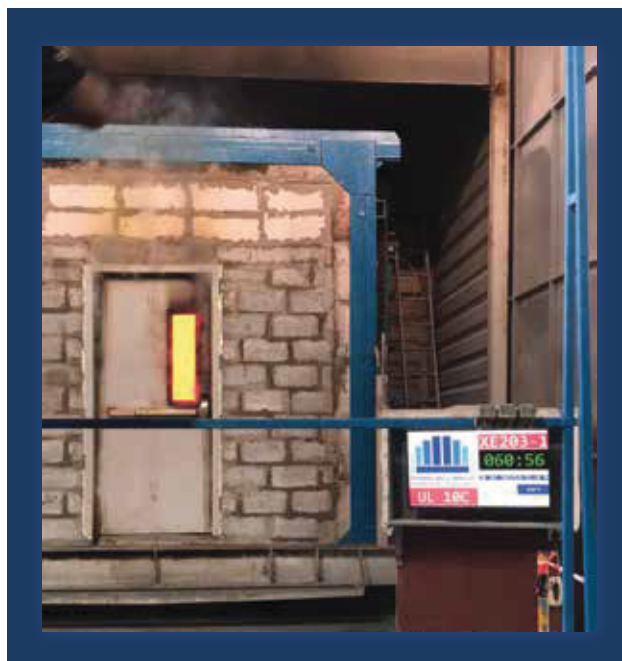
Leaf: 1196 X 2437 X 45 mm (w x h x thk.)

Double Leaf door assembly:

Frame: 2500 X 2500 X 150 mm (w x h x jamb width)

Leaf: 1196 X 2437 X 45 mm (w x h x thk.)

Al Mustaqbal Fiberglass Factory also manufactured Non Fire rated doors.



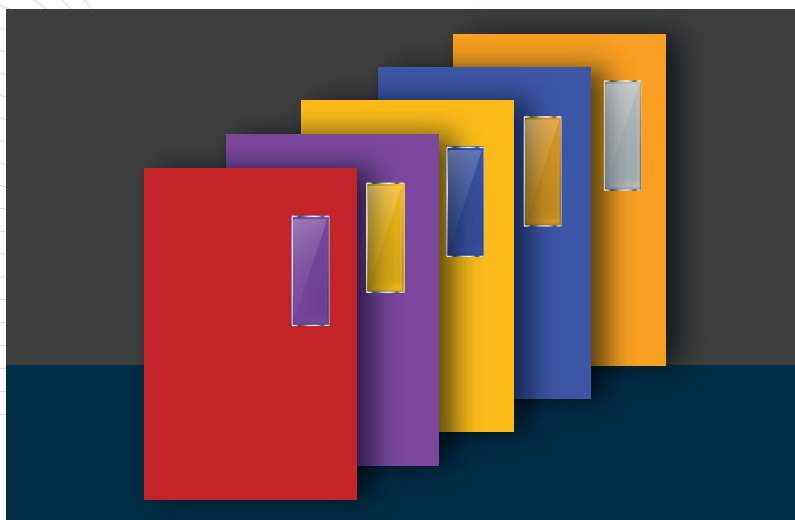
# IMPORTANT FEATURES

## FIBERGLASS FIRE RETARDED DOORS

Fire doors are used to slow the spread of flames and smoke, giving people some time to evacuate the building.

They can also help to contain fires to a single room or area, which should make it easier for first responders to contain the blaze. In short, fire doors play a vital role in protecting life and property. All buildings should have them, and they should be properly maintained to ensure that they will function as intended if there is a fire. The Structural design of the door can resist the hose stream test after Fire endurance test duration of 60 or 90 minutes.

- ▶ Completely sealed design with superior materials for easy cleaning
- ▶ Hygienic design won't harbor bacteria
- ▶ Waterproof and chemical resistant, will never rust, rot or swell
- ▶ Design life 30 years
- ▶ Special Frame is also made in fiberglass fire rated material
- ▶ Durable and virtually maintenance-free with secure, reliable performance
- ▶ Customization options with a variety of colors and accessories
- ▶ Gelcoat mat finish pigmented surface
- ▶ Compliant UL 10 C, UL 10 B & NPFA 252
- ▶ Certified by Intertek



# COMPARISON



## LG FRP DOOR

- ▶ Waterproof, No voids, Ledges & Troublesome Edge Lippings
- ▶ Easy to clean
- ▶ Excellent resistant to Chlorine & Various Chemicals
- ▶ Maintenance free Built in color
- ▶ Smooth, Hygienic
- ▶ Service life 30 years



## STEEL DOOR

- ▶ Not suitable for Wet Area
- ▶ Difficult to keep clean, Peels easily.
- ▶ Warpa & Decays upon exposure of Moisture, Salty environment
- ▶ Requires regular maintenance such as painting.
- ▶ Short life cycle, depending on the environment and regular nance

# AREAS OF APPLICATIONS

- ▶ Mosque Ablution
- ▶ Hospital and Pharmaceutical
- ▶ Hotels
- ▶ District Cooling
- ▶ Chemical and Galvanizing Industries
- ▶ Aluminum Smelters
- ▶ School Laboratories
- ▶ Hatcheries and Fish Farms
- ▶ Oil Refineries
- ▶ Pulp and Paper Facilities
- ▶ Power Generating Plants
- ▶ Pumping Stations
- ▶ Water Parks and Receptions
- ▶ Water & Wastewater Treatment Facilities
- ▶ Marine Intake Area & Shipyard
- ▶ Coastline Condos & Resorts
- ▶ Zoos & Aquariums
- ▶ Research Facilities
- ▶ Food & Beverage Processing
- ▶ Sports Club & Pool Areas
- ▶ Etc...



# AREAS OF APPLICATIONS



HOTELS



DISTRICT COOLING SYSTEMS



CHEMICAL AND GALVANIZING INDUSTRIES



ALUMINUM SMELTERS



SCHOOL LABORATORIES



HATCHERIES & FISH FARMS

# AREAS OF APPLICATIONS



OIL REFINERIES



PULP AND PAPER FACILITIES



POWER GENERATING PLANTS



PUMPING STATIONS



WATER PARKS AND RECREATIONS



WATER & WASTEWATER TREATMENT FACILITIES

# AREAS OF APPLICATION



MARINE INTAKE AREA & SHIPYARD



COASTLINE CONDOS & RESORTS



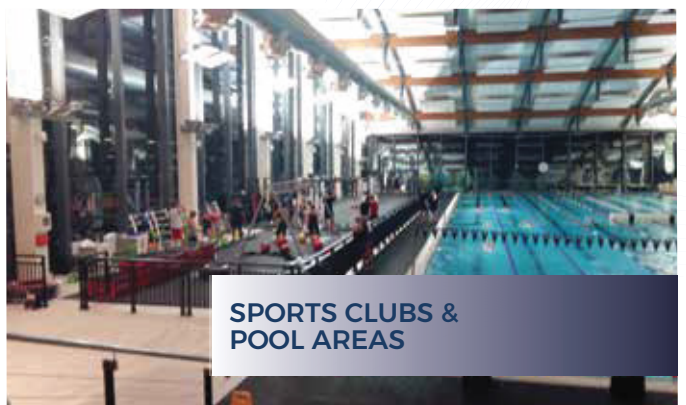
ZOOS & AQUARIUMS



RESEARCH FACILITIES



FOOD & BEVERAGES



SPORTS CLUBS & POOL AREAS

# DIFFERENT MODELS

## VARIOUS DOOR LEAF:

- ▶ FRP Seamless moulded 40mm thick
- ▶ Integrated gelcoat Color
- ▶ Min 4 mm thick FRP skin
- ▶ Vision panel dimension: 216 mm X 751 mm X 5 mm (w x h x thk)  
| Visible size: 185 mm X 720 mm (w x h), Glass.
- ▶ FireLite or alternate listed ceramic glazing and listed steel glazing beads.
- ▶ Supporting Construction: Masonry wall. Door frames to be installed with cement grouting.

## FIRE RATINGS

- ▶ The product noted above has been evaluated according to the requirements of the standard UL 10 C and has qualified for up to 60 minutes positive pressure fire rating.
- ▶ Also meets the requirements of UL 10 B (Negative Pressure Fire Rating) and NFPA 252 (Positive Pressure Fire Rating).
- ▶ The door noted above is eligible to bear the “S” (for Smoke & Draft Control Assemblies) if a listed “Category H - Smoke & Draft Control Gasket” has been applied to the assembly.

SL - SINGLE ACTION



SL - W/VIEW GLASS



# DIFFERENT MODELS

SL - DOUBLE ACTION



DL - W/VIEW GLASS



## VARIOUS DOOR FRAME

- ▶ FRP Fire rated frame
- ▶ FRP Non Fire rated
- ▶ SS Frame
- ▶ Integrated gelcoat color
- ▶ Jamb Width 150 mm
- ▶ Intumescent Concealed strip
- ▶ Min 5 mm thick Fiberglass



# OTHER RELATED PRODUCTS

## FRP WALLS FOR CLEAN ROOM

Fiberglass Reinforced Plastic (FRP) Fire rated wall panels are ideal for any area that will be exposed to a great deal of moisture. Typical applications include restrooms, labs, Kitchens and break rooms. The fiberglass panels are very easy to clean and resist the harsh chemicals often used to sanitize these rooms.

Floor to Ceiling Design:

Our FRP modular wall systems are ideal for creating all types of floor-to-ceiling walls and enclosures. Provision for window and doors can be provided.



FRP modular clean rooms are typically used in industries such as Pharmaceuticals, Biotechnology and Semiconductors, where it is crucial to protect sensitive materials and processes from dust, particles and other contaminants.

# OTHER RELATED PRODUCTS

## GRP PRODUCTS



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US  
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