JAMISON DOOR™

JAMOCLEAN
Style Doors & Frames

A division of Jamison Door Company

The Solution for "Clean" Environments

- Durability
- Low maintenance
- Corrosion resistance
- Lifetime corrosion warranty

Jamison Door™ | 55 JV Jamison Drive | Hagerstown, MD 21740
1-800-JDC-DOOR (1-800-532-3667) | www.jamisondoor.com

Dependable lead times, quality products, and excellent customer service.

Overview

Since 1906, Jamison Door Company has sustained growth and innovation as the world's largest cold storage door manufacturer.

Jamison Door Company introduced their first fiberglass door with the manufacture of the Jamolite product line in 1958. Now with over 60 years of experience creating and perfecting fiberglass doors, Jamison' subsidiary company, Jamotuf, LLC, specializing in 1-3/4" thick fiberglass doors with fiberglass frame options.

This aesthetically pleasing, hygienic door has no seams that can harbor contaminants and bacteria. It is very easy to clean and corrosion resistant to the harsh cleaning chemicals commonly found in the pharmaceutical industry. The smooth gloss gelcoat surface is exceptionally clean, non-porous, and non-absorptive- the perfect addition for life sciences needing sterile environments. Within pharmaceutical, nutraceutical, and cleanroom applications, the requirements of quick access, environmental control, and hygiene are extremely high. Jamison Jamoclean doors play an essential role maintaining correct room pressures, air circulation rates, and ensuring optimum operating efficiency.

The Benefits of Jamoclean

- Durability – low maintenance
- Corrosion resistant
- Lifetime corrosion warranty

Jamoclean Features

- Monolithic molded construction for a true seamless impermeable outer shell.
- Molecular crosslinking of all six sides of the door ensures integrity of the seamless design.
- Outer shell is press-molded to composite core materials for a variety of applications and designs.
- A wide range of hardware preps or Grade 1 hardware accessories.
- Installation of factory supplied finish hardware available

Markets Served

- Pharmaceutical
- Nutraceutical
- Cleanrooms
- Laboratories
- Chemical Plants
- Wastewater
- Treatment
- Food Processing
- Veterinary
- Medicine

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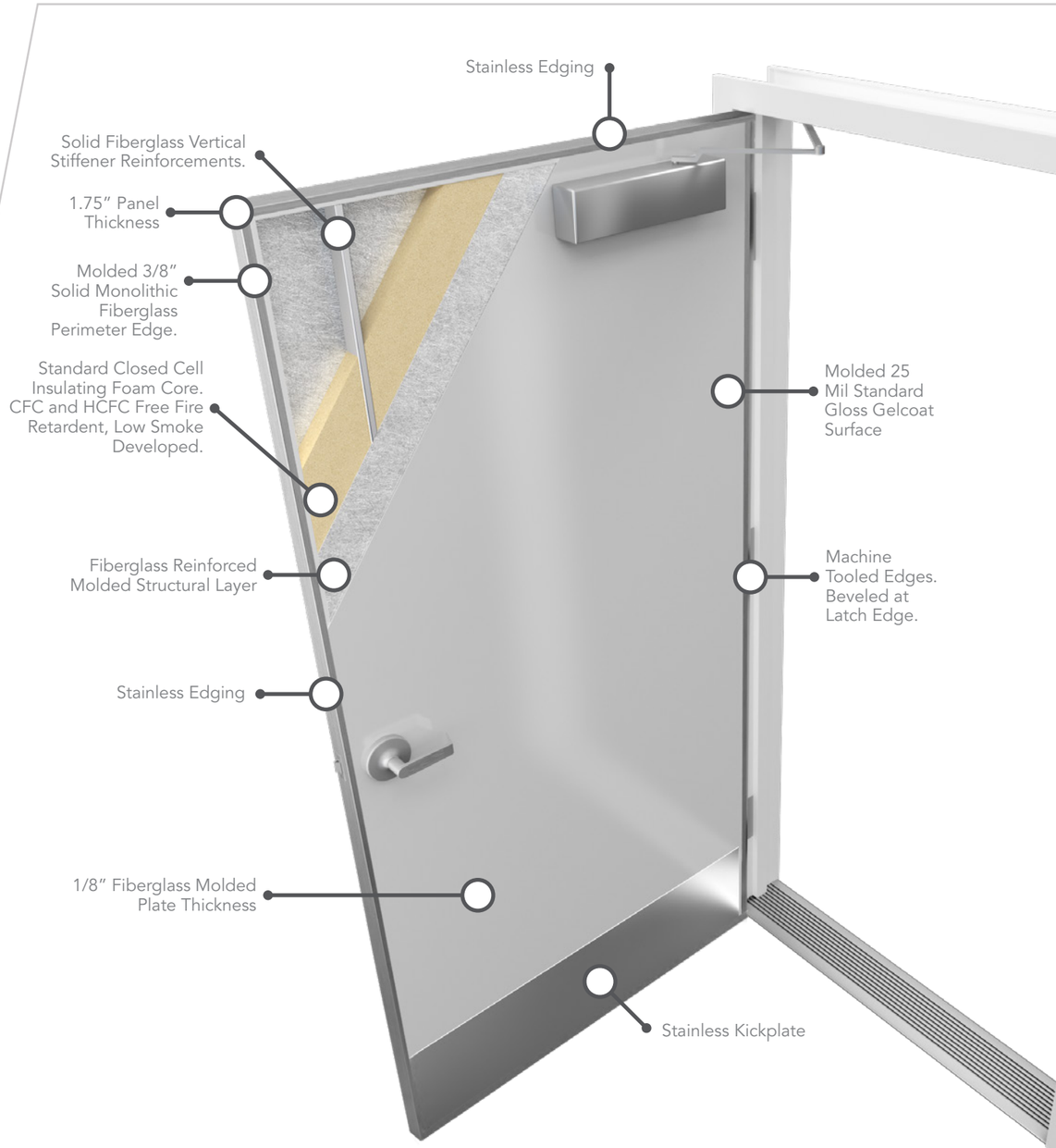

Seamless design for a variety of applications.

JAMOCLEAN

JAMOCLEAN

Clean and Beautiful.

Standard Door Construction Details

- 25 MIL Molded Gloss Gelcoat Surface
- Fiberglass Reinforced Molded Structural Layers
- Molded 3/8" Solid Monolithic Fiberglass Perimeter Edge
- Solid Fiberglass Vertical Stiffener Reinforcements
- 1.75" Panel Thickness
- 1/8" Fiberglass Molded Plate Thickness
- Machine Tooled Edges, Beveled at Latch Edge
- Standard Closed Cell Insulating Foam Core CFC and HCFC Free Fire Retardant Low Smoke Developed
- Stainless Edge Capping
- **Option:** Polypropylene honeycomb where specifications, codes, or other customer preference indicated

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An aesthetically pleasing combination of form and function.

Standard Fiberglass Frame Construction Details

- Reinforced for overhead closers, holders, or stops
- Mitered and reinforced for strength and accurate installation
- Reinforced for hinges and anchors as required
- Mortised and reinforced for strikes as required
- Floor anchors reinforced and provided at new masonry installations 1-1/2" equal leg fiberglass angle

Standard Fiberglass Frame Profiles

- 5-3/4" double rabbet
- 4" single rabbet
- 5-3/4" double rabbet window
- Adjustable cased openings
- Adjustable double rabbet for custom depths

Jamotuf Frame Profiles are pultruded in standard colors with a molded semi-gloss finish. The innovative pultruded finish is an industry first in the corrosion door market and yields the most aesthetically pleasing product appearance of its kind.

Standard Colors Available

White | Light Gray | Beige | Dark Brown

Color representations are subject to electronic copy, sheen and lot to lot variations. Actual product may vary.

Jamotuf frame profiles are pultruded in standard colors with color pigments molded into the profile, yielding the highest quality frame pultrusions made in the USA.

Jamotuf profiles are designed to meet or exceed the values as shown.

Property (Coupon values) Mechanical	ASTM Test	Units	Value
Tensile Strength	D638	psi	33,000
Tensile Modulus	D638	10^6 psi	2.5
Compressive Strength	D695	psi	33,000
Compressive Modulus	D695	10^6 psi	3.0
Flexural Strength	D790	psi	33,000
Flexural Modulus	D790	10^6 psi	1.6
Interlaminar Shear[1]	D2344	psi	4,500
Notched Izod Impact	D256	ft-lbs/in	28
Maximum Bearing Strength	D953	psi	30,000
Poisson's Ratio	D3039	in/in	0.35
In-Plane Shear	Modified D22344[2]	psi	7,000
Physical			
Barcol Hardness[3]	D2583		45
Water Absorption	D570	% Max	0.6
Density	D792	lbs/in^3	0.060 - 0.070
Specific Gravity	D792		1.66 - 1.93
Coefficient of Thermal Expansion	D696	10^6 in/in/°F	4
Flammability Classification	UL94		(VO)
Tunnel Test	E-84		25 Max

[1] Represents typical results based on a 3:1, span to depth ratio.
[2] Modification of ASTM D2344 is to rotate coupon 90° (cut section of coupon length faces up).
[3] Jamotuf uses a surface veil that reduces the Barcol Hardness, but does not reflect lack of cure.

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Single and Double. Manual and Power.

Overview

Jamoclean's seamless and hygienic fiberglass swinging door system is backed with over 60 years of experience providing peace of mind in the most demanding environments. In life sciences where quick access and environmental control are critical, these doors offer custom solutions that are exceptionally clean, durable, and secure. Using our state-of-the-art CleanDrive technology, Jamoclean swing doors not only surpass market demands, but also exceed requirements.

CleanDrive

Our cutting-edge UL325 approved operator is designed to control the automation of doors where safety, quietness, and fluidity of motion are essential requirements. This operation is critical in controlled environments coupled with limited downtime. Our extra compact direct drive technology is adaptable to all installation environments and is equipped with a brushless motor with an encoder, ensuring low wear and the best durability over time.

Exceptionally Clean

Monolithic molded construction creates a true seamless impermeable outer shell. The smooth gelcoat surface is extremely hygienic, which is critical for the life sciences. The molecular crosslinking of all six sides of the door ensures integrity of the seamless design and eliminates cracks, seams, and gaps where bacteria can hide.

Complete Durability

The door comes standard with fiberglass molded structural layers and solid fiberglass vertical stiffeners that are reinforced for strength and accurate installation. Optional heavy duty stainless edge capping is also available for additional support.

Superior Sealing

A frame mounted, three-sided perimeter gasket, combined with a bottom sweep gasket and panel mounted astragals, is used for ultimate seal efficiency.

Secure Operation

A variety of electronic and mechanical locking options are offered.

Technical Details

- Offered as 1 leaf, 1 leaf with battery, 2 leaves, and 2 leaves with battery
- Spring-powered closing

Dimensions	20" x 2" x 3"
Maximum weight of the leaf	265 lbs
Maximum width of the leaf	60"
Automation weight	15 – 17 lbs
Maximum opening angle	110°
Power supply	115 - 230 Vac, 50/60 Hz
Maximum power	40 W
Standby consumption	5 W
Number of opening cycles	Tested 2,000,000 cycles (4,000 cycles/day)

Motor	24 Vdc brushless motor with
Duty cycle	encoder
Maximum load of external	100%
accessories	0.8A 24 Vdc
Output for electric lock	Relay with N.O. / N.C. contact
Protection class	IP 32
Operating temperature	5°F – 122 °F
Operation without current	With built-in battery (optional)
Opening speed (up to 90°)	Adjustable from 2 sec to 12 sec
Closing speed	Adjustable from 4 sec to 12 sec
Pause time	Adjustable from 0.5 sec to 60 sec
Pause time (disabled people)	Adjustable from 0.5 sec to 60 sec

Benefits

- Manual or power operation
  - Manual open with standard spring assist closer
  - Power operation uses an electromechanical operator
- Extra compact
  - Lighter and more compact
  - Adaptable to all installation environments
- Electronic control unit with switching power supply
  - Low electricity consumption
  - Huge savings
- Brushless Motor
  - Less wear thanks to the absence of brushes
  - Higher durability, reliability, dynamism
- New digital touchscreen keypad with NFC capability
  - Minimum footprint, great design
  - Intuitive user interface

Options

- Manual or power operation
- Stainless steel edge wrap
- Stainless steel clad panel (fire-rated and non-rated)
- Vision panel with standard sloped frame
- Flush vision panel
- Any major lines and grades of architectural hardware are available

Options for Power Models

- Variety of activation devices available
  - Touchless sensor
  - Touchless wall mounted activation switch
  - Safety sensor
  - Electromagnet for door lock
  - Digital selector

Operator Certifications

- Electromagnetic Compatibility EMC 2014/30/UE
- EN 61000-6-2 Standard / EN 61000-6-3 Standard
- Low Voltage Directive LVD 2014/35/UE
- EN 60335-2-103 Standard
- Machinery Directive 2006/42/CE
- EN 13849-1 Standard / EN 13849-2 Standard Category=2, PL=d
- EN 16005
- Standard ANSI/CAN/UL325
- EN1634 (test report WF436685 for NEXT 120S)

Single and Double. Manual and Power.

Overview

When a facility requires a sterile and controlled environment, Jamoclean sliding doors are the solution. Our doors are engineered with a full perimeter weather seal that keeps out contaminants and allows for a full door wipe down to ensure cleanliness. The Jamoclean line plays an essential role in preventing cross-contamination as well as maintaining correct room pressures and air circulation rates. Our advanced CleanDrive technology ensure optimum operating efficiency and cost savings.

CleanDrive

Our new generation automation system features a slim, elegant, and sturdy design that is ideal for environments where smooth motion and quietness are fundamental. The fast cycle time reduces the loss of conditioned air which allows the door to resist pressure differences between two areas. This technology is ideal for building airlocks that maintain the pressure integrity of both rooms. Maintaining correct room pressures ensures optimum operating efficiency and significant cost savings. All automations are equipped with a wide range of options allowing for full customization.

Exceptionally Clean

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Complete Durability

The door comes standard with fiberglass molded structural layers and solid fiberglass vertical stiffeners that are reinforced for strength and accurate installation. Optional heavy duty stainless edge capping is also available for additional support.

Superior Sealing

A three-sided rubber gasket, combined with a bottom sweep gasket, is used for ultimate seal efficiency.

Secure Operation

A variety of electronic and mechanical locking options are offered.

Technical Details

Loading capacity single leaf	200 / 660 lbs
Loading capacity double leaf	155 / 440 lbs
Single door limits	18″ / 48″
Single door HIC limits	18″ / 96″
Bi-parting door WIC limits	36″ / 96″
Bi-parting door HIC limits	18″ / 96″
Protection class	IP22

Benefits

- Manual or power operation
  - Manual open with standard spring assist closer
  - Power operation uses an electromechanical operator
- Sleek and appealing design
- Maximum quietness and smooth motion
- High efficiency brushless motor for high durability and low consumption.
- Smart battery: for low power consumption in case of power failure

Options

- Fail secure / fail safe electric lock
- Relay module for additional functions
- Vision panel with standard sloped frame
- Flush vision panel
- Heavy-duty molded fiberglass panel
- Custom color for molded fiberglass
- Any major lines and grades of architectural hardware are available

Options for Power Models

- Touchless wall mounted activation switch
- Variety of activation devices available
  - Touchless wall sensor
  - Touchless wall mounted activation switch
  - Digital selector
  - Activation button for emergency exits
  - Microwave opening radar
  - Emergency batteries and signal relays
  - Digital selector

High Speed Roll-Up Doors

Overview

The DynamicRoll® CB 125 High Speed Door is the perfect door for your cleanroom application. This high speed roll-up door is designed to separate over pressured sterile environments.

Thanks to the tension and its special retention system, the DynamicRoll® CB 125 High Speed Door guarantees controlled loss of pressure and allows the ventilation system and air purification to operate correctly. Airflow between rooms is limited, reducing the risk for contamination and air pressure loss.

Exceptionally Clean

Due to the sealing capability, pressure leakage is controlled allowing the ventilation systems and air purification to operate correctly.

Complete Reliability

Air movement is minimized because of the high speed of the door, up to 8 ft per second. The door assures the safety of the staff and product, thanks to its curtain design without any rigid elements. Downtime and maintenance are both kept to a minimum.

Superior Sealing

A perfect seal due to the unique, patented magnetic closure which allows for both air loss and the risk of contamination to be reduced.

Safe Operation

The door is standard equipped with patented guides, consisting of polyethylene. The PVC curtain falls into this guide by means of a zipper. In the event of a collision, the zipper comes loose so that damage is limited. This specifically designed retention system allows the curtain to exit the guides in the event of impact and reinsert in one cycle. A variety of electronic and mechanical locking options are also offered.

Benefits

- Fast
  - Minimizes controlled air loss
  - Minimizes open time
- Reliable
  - Low maintenance
  - Great energy savings
  - Plug and Play – easy to install
- Curtain
  - No rigid elements inside the curtain
  - Quiet operation and no lubrication needed
  - Self-repairing
- Superb Sealing
  - Reduces air loss
  - Reduces risk of contamination

Options

- Radar
  - Opening point radar TOF/Spot
  - Infrared radar
- Traffic lights
  - Green or red fixed standard light
  - LED light with countdown
  - LED light barriers
- Buttons
  - Opening button
  - Freeze stop button
  - No touch button
- Additional Options
  - Wind gauge
  - Remote control
  - Pull cord switch
  - Magnetic loop detector
  - Key selector
  - Bollard B-Protect

Technical Details

Loading capacity single leaf	W 13ft x H 13 ft
Speed	Max opening speed: 100 in/sec Closing Speed: 32 in/sec
Cycles Test	1,000.000
Air Permeability	Standard: Class 2 Optional: Class 5 with patented magnetic system
Structure	Not self-supporting
Frame/Motor Cover Hood	Standard: Galvanized steel Optional: Stainless steel
Curtain	Standard: PVC curtain 35 oz/yd^2 Optional: Insulated .25in, 3.3W/m^{2}k / Translucent 35/40% / FDA (white)
Retention System (Lubricant-Free)	Patented retention system with high density polyethylene self-lubricating track system
Control Panel	Standard: NEMA 1 (12in x 20in x 6in) Optional: Stainless steel or PVC box NEMA 4 (12in x 20in x 6in) Inverter system 50/60 Hz with absolute encoder) Power supply 3-ph, 208V / 230V / or 460V Start/stop button 2 free contacts (door open/closed/alarm) Available interlocking between 2 doors NEMA 4X panels and IP65 motorss available
Wiring	Plug and Play systems
Safeties	Standard: Photocells set / Un-roll sensor / Wifi safety edge Optional: Multi ray light curtain barrier
Emergency Opening	Standard: Mechanical Key Optional: UPS battery
Advising Operative Temperature	Operating tiill 14° F with heating kit added Not apt to be installed in negative/positive temperaturee

Available Curtain Colors

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Technical Details

Loading capacity single leaf	W 13ft x H 13 ft
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