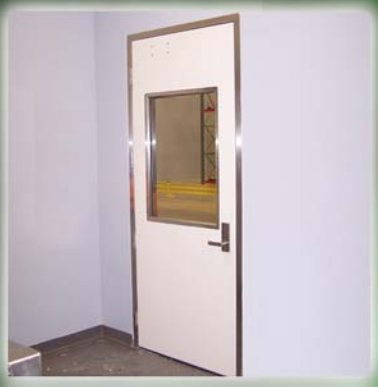
Chase Doors

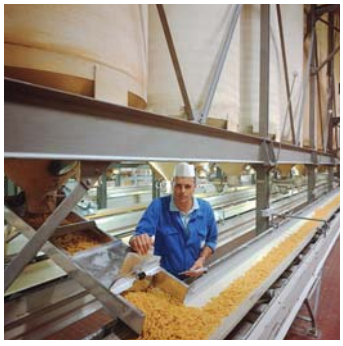
Fib-R-Dor Fiberglass Doors
Durulite CR1400

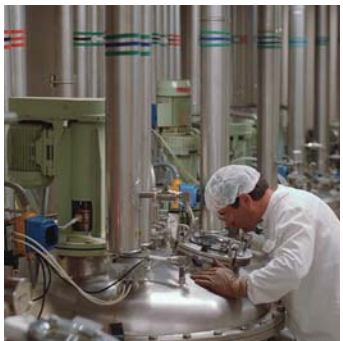
Corrosion Resistant Personnel Doors



Fib-R-Dor® • Durulite® CR1400

Corrosion Resistant Personnel Doors



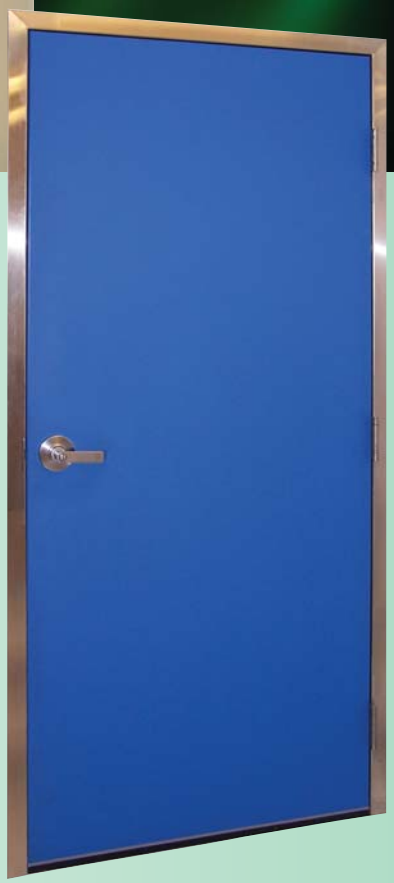


Every plant in the world fights a daily battle against an age old enemy . . . *Corrosion*

It's everywhere you look. Part of the United States is even referred to as the "Rust Belt". Huge percentages of annual maintenance budgets are being used to scrape, paint and replace assets that have fallen victim to corrosion. These harsh environments are no match against Chases' Fib-R-Dor fiberglass doors and Durulite CR1400 rotationally molded, cross-linked polyethylene doors.

Fib-R-Dor fiberglass doors utilize a unique "outside-in" manufacturing process, creating a highly durable panel with no seams, gaps or potential failure points. The entire exterior of the door panel is molded fiberglass, with a permanent bond to the core material insuring durability and long panel life. Fib-R-Dor panels will never rust, and carry a 25 year warranty against failure due to corrosion. Fib-R-Dor products are designed for use on interior and exterior applications, and can be equipped with virtually any hardware configuration required. Fib-R-Dor panels are available with up to 90 minute labels, and meet the Underwriters Laboratories, Inc. "Standard for Fire Tests of Door Assemblies, UL10B".

In high abuse interior applications, consider the CR1400 corrosion resistant door system. The CR1400 is impervious to acids, petroleum products, animal fats and cleaning solvents, and will take a punch like no other door system. The door panel is constructed using rotational molding technology, creating a one-piece outer skin of high density cross-linked polyethylene. The interior core is ultra-high density urethane foam. This combination results in a panel that will absorb impact and perform well in the most difficult conditions.

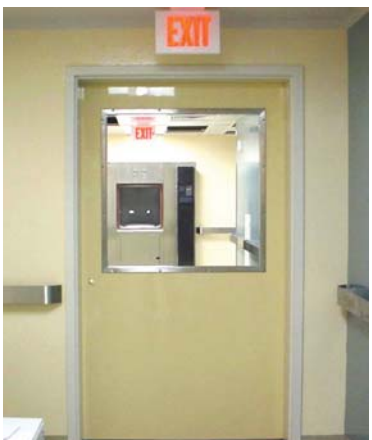


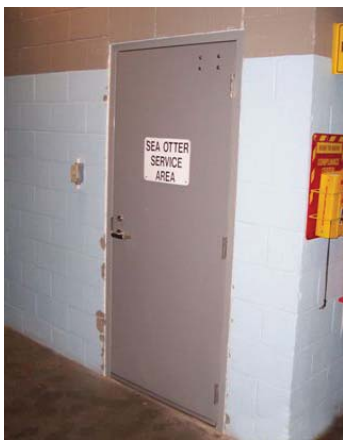
Stop *Corrosion* with Fib-R-Dor and Durulite CR1400 Doors.

Fib-R-Dor and Durulite CR1400 are designed for use in heavy corrosive environments including pharmaceutical manufacturing, food processing, water / wastewater treatment, chemical manufacturing and cleanroom applications where standard doors are not acceptable. Fib-R-Dor and CR1400 products can also be used as an alternative to stainless steel and hollow metal doors in schools, institutions and government facilities, saving thousands of dollars in replacement and maintenance costs.

Benefits

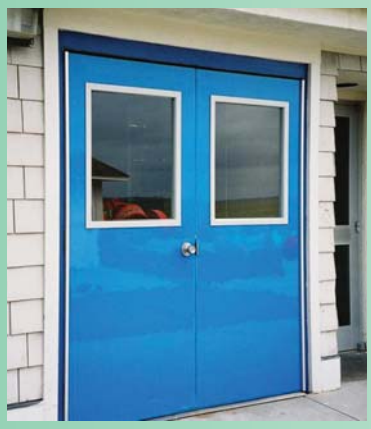
- Corrosion resistant – monolithic panel design and durable materials insure long panel life in harsh environmental conditions.
- Cleanable finish – smooth finish is designed for installation in areas with stringent GMP requirements or frequent washdown.
- Sanitary, seamless construction – no glue, seams or gaps that can harbor bacteria or cause premature panel failure.
- Pre-finished panels – doors ship finished from the factory and do not require painting. Panel color is throughout the surface of the door.
- Durable, long lasting construction – reduces life-cycle cost of the product and eliminates waste that normally goes into a landfill from premature product failure.
- Custom manufactured to your exact specifications – your choice of color, options and sizes.
- Manufactured to meet USDA and FDA requirements.
- Superior warranty – Chase has been manufacturing doors since 1932; we stand behind our products before and after they are sold.





Fib-R-Dor® Fiberglass Doors

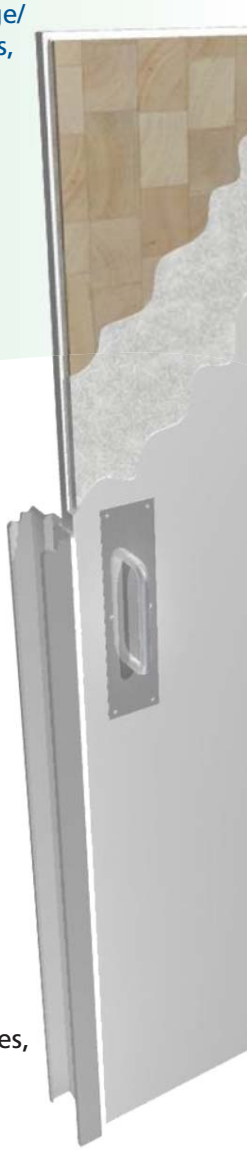
Corrosion Resistant Personnel Doors



Beauty Meets Durability

Fib-R-Dor utilizes a combination of unique manufacturing techniques and fiberglass technology to create a panel that is beautiful, cleanable, and durable. Fib-R-Dor products are FDA and cGMP compliant, and are designed for use in facilities that require regular cleaning with harsh chemicals.

Every Fib-R-Dor door system is custom manufactured to the exact specifications of each job. Fib-R-Dor door systems can be ordered with windows, passage/locksets, door closers, panic devices, push/pull handles, kick plates, louvers, flush bolts, astragals, bottom sweeps and weather-stripping.



Features

Door Surface – Mirror-smooth gel coated fiberglass panels are constructed with impact resistant, premium grade resins. The resin is reinforced with hand-laid glass fibers that are integrally molded creating a corrosion resistant, one-piece seamless exterior surface.

Door Core – Fib-R-Dor is available with a variety of cores including, end grain balsa, urethane foam, polypropylene honeycomb and gypsum (not shown) for fire rated doors.

Door Edge – Multiple layers of pigmented resin are chemically welded to the face sheets creating a monolithic one-piece exterior. Standard nominal thickness is 3/8". This design, combined with steel reinforcement plates buried beneath the fiberglass at hinge locations easily supports the weight of the door. Door edges are CNC machined for an accurate fit and smoothness.

Hinges – Full mortise stainless steel hinges are standard. Continuous hinges, hospital hinges and other specialty hinges are available.

Frame – A variety of frame options including pultruded fiberglass and stainless steel are available. Chase offers several common fiberglass frames for installation on most wall conditions including insulated panel walls. In addition, stainless steel frames can be manufactured to your specific jamb requirements.

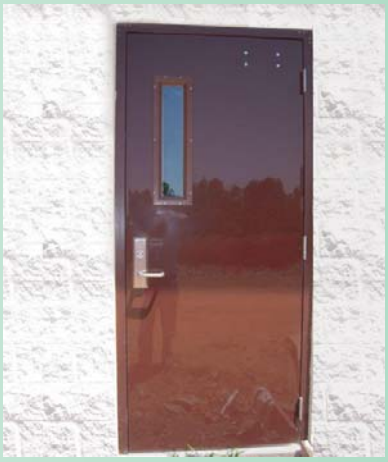
End Grain Balsa provides superior strength, and is recognized as one of the most versatile core materials for sandwich construction. This closed cell material is non-absorptive, and extremely strong with an 11 lb. density rating. Balsa is also an environmentally friendly, ecological resource core material.

Polypropylene Honeycomb is lightweight and extremely durable, and is commonly used as a core for doors installed in pharmaceutical applications.

Urethane Foam has excellent insulating qualities, plus it is known for sound control, low permeability and helps to prevent mold and mildew growth.

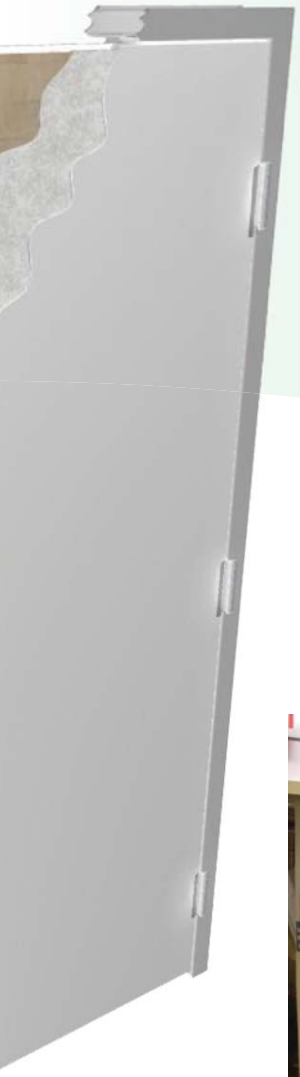
Mirror smooth finish is corrosion and graffiti resistant.

Unique Manufacturing Process



The Door Edge Advantage

The unique panel manufacturing technique is one of the key differences offered by Fib-R-Dor when it comes to panel durability. All Fib-R-Dor panels have a molded fiberglass edge that is chemically welded to the door skins, making it up to 3 times stronger than tubular or channel door designs. Competitors use glue to attach the face sheets to tubes or channels, resulting in a potential separation point over time. The Fib-R-Dor method of permanently welding the edge of the door to the skins creates a one-piece exterior shell that will not peel, separate or delaminate.



The Door Frame Advantage

By design, the Fib-R-Dor pultruded frame system conforms to industry standards in shape and installation methods. Frames are also available in stainless steel, and can be installed in many different configurations including butt mount or wrap. A variety of configurations and mounting options are also available, allowing Fib-R-Dor products to be installed on concrete, brick, block, foam panel, drywall and tilt-up wall systems. Fib-R-Dor fiberglass frames are constructed of FRP pultruded material, which is durable, corrosion resistant and attractive.

Installation is Fast and Easy

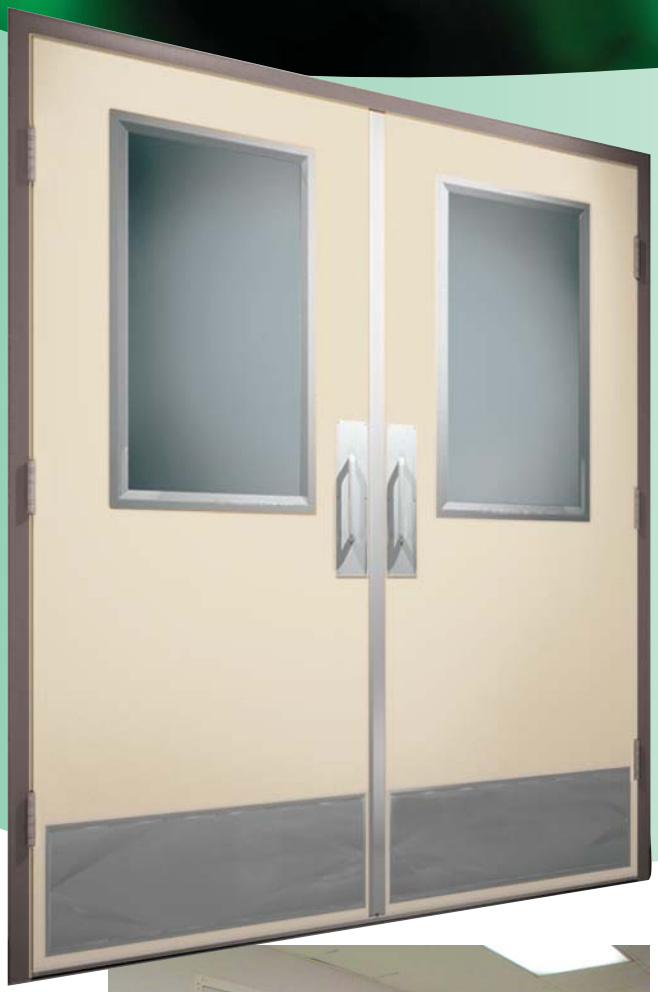
All Fib-R-Dor panels are CNC machined to fit perfectly in their matching frames. Fib-R-Dor panels are made to Steel Door Institute dimensions and standards, making installation of Fib-R-Dor door systems fast and easy. A door system that battles rust, corrosion and fire makes Fib-R-Dor an extremely valuable component in a wide range of markets and applications!

Fire Rated Doors

When fire rated doors are required, Fib-R-Dor has the solution. Fib-R-Dor corrosion resistant door systems are available with 20/30/45/60 and 90 minute labels and meet the Underwriters Laboratories, Inc. “Standard for Fire Tests of Door Assemblies, UL 10B” and UL 305 Standard for Safety “Panic Hardware”. The core of the fire rated door is Gypsum, which is a sustainable product.

It’s easy to see why our tough, lightweight fiberglass reinforced plastic door and frame systems are preferred over metal doors where corrosive or humid conditions exist. They last longer, are easy to install, easy to maintain and the pre-finished color is throughout the door surface.

Durulite® CR1400
Corrosion Resistant Personnel Doors



The Durulite CR1400 Door is designed for use in heavy duty applications that require durability and corrosion resistance in a door system. Constructed from rotationally molded, cross-linked polyethylene, the door panel is inherently strong and is impervious to acids, petroleum products, animal fats and cleaning solvents. It will retain an attractive appearance in the most difficult conditions.

Features

Door Surface – Seamless panel construction makes this door ideal for washdown applications. The sanitary surface never needs painting and cleans easily with soap and water. Available in 14 standard colors.

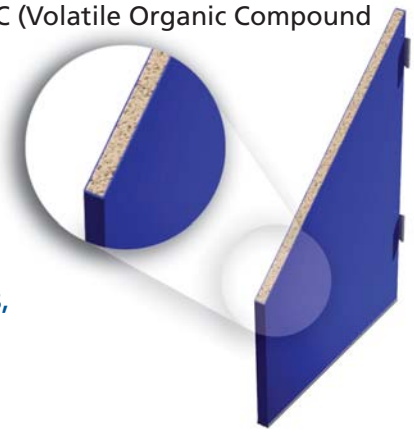
Door Panel – Constructed with a 1/8" thick outer skin of cross-linked polyethylene with an ultra high density, Non-CFC urethane foamed-in-place core. The panel can retain its properties from -40°F to 150°F continuous service and 170°F intermittent service with temperature differences of up to 40°F. The overall thickness of the panel is 1-3/4", yet weighs only 3.66 pounds per square foot, making it lightweight and easy to open.

Gasketing – All doors come standard with a replaceable bottom sweep, and are available with a drop down seal. Full perimeter gasketing is also available.

Hinges – Optional high quality stainless steel hinges mount the CR1400 securely to the frame and provides years of service.

Window – CR1400 door systems can be equipped with a variety of window configurations including single and double pane units. Various glazing types and frame materials are available.

Insulation – The CR1400 has excellent insulation qualities with an EcoMate foamed-in-place Non-CFC urethane core. Ecomate insulation is designed to be environmentally friendly; it was awarded VOC (Volatile Organic Compound or SMOG) Exempt Status by the EPA.



Every Durulite CR1400 is custom manufactured to the exact specifications of each opening. CR1400 doors can be ordered with windows, passage/locksets, door closers, panic devices, push/pull handles, kick plates, louvers, astragals, flush bolts, bottom sweeps and weather-stripping.

Attractive, durable and maintenance free.

Fib-R-Dor & CR1400 Door Options

Hinges

We offer heavy duty 4-1/2" x 4-1/2" full mortise stainless steel ball bearing hinges with non removable pins. Continuous hinges, hospital hinges and other specialty hinge systems are available. Fib-R-Dor and CR1400 doors will accept virtually any hollow metal type door hinging system. Hinge locations can be set to custom locations or to match any manufacturer's locations.

Hardware Options

The Fib-R-Dor and CR1400 doors can be equipped with virtually any hardware that is available on a standard hollow metal door

- Chrome and stainless finish passage and locksets
- Stainless steel push/pull handles, deadbolts
- Surface or flush bolts
- Panic device – either a rim, mortise or surface mounted vertical rod device
- Protective edge caps and stainless impact plates are available.

Windows

Optional window is clear, polycarbonate or a variety of glass products including laminated, tempered or wire reinforced and is available in an array of sizes. On the CR1400 doors, the glazing is set in your choice of stainless steel or two-piece injection molded, low profile PVC frames. The stainless steel frames can either be surface mounted, or flush mounted for pharmaceutical applications. On the Fib-R-Dor, the glazing is set in polymer or stainless steel.

Adjustable Door Closers

Adjustable closers with corrosion resistant finishes are available for use with Fib-R-Dor and CR1400 doors and can be mounted on the push or pull side of the door. Closers can be equipped with time delay or hold open option.

Fib-R-Dor & CR1400 Door Frame Options

We offer fiberglass frames in several configurations, as well as stainless frames. Frames can either butt mount or wrap any wall condition. All frames are available with a variety of mounting systems for drywall, block or insulated panel applications.

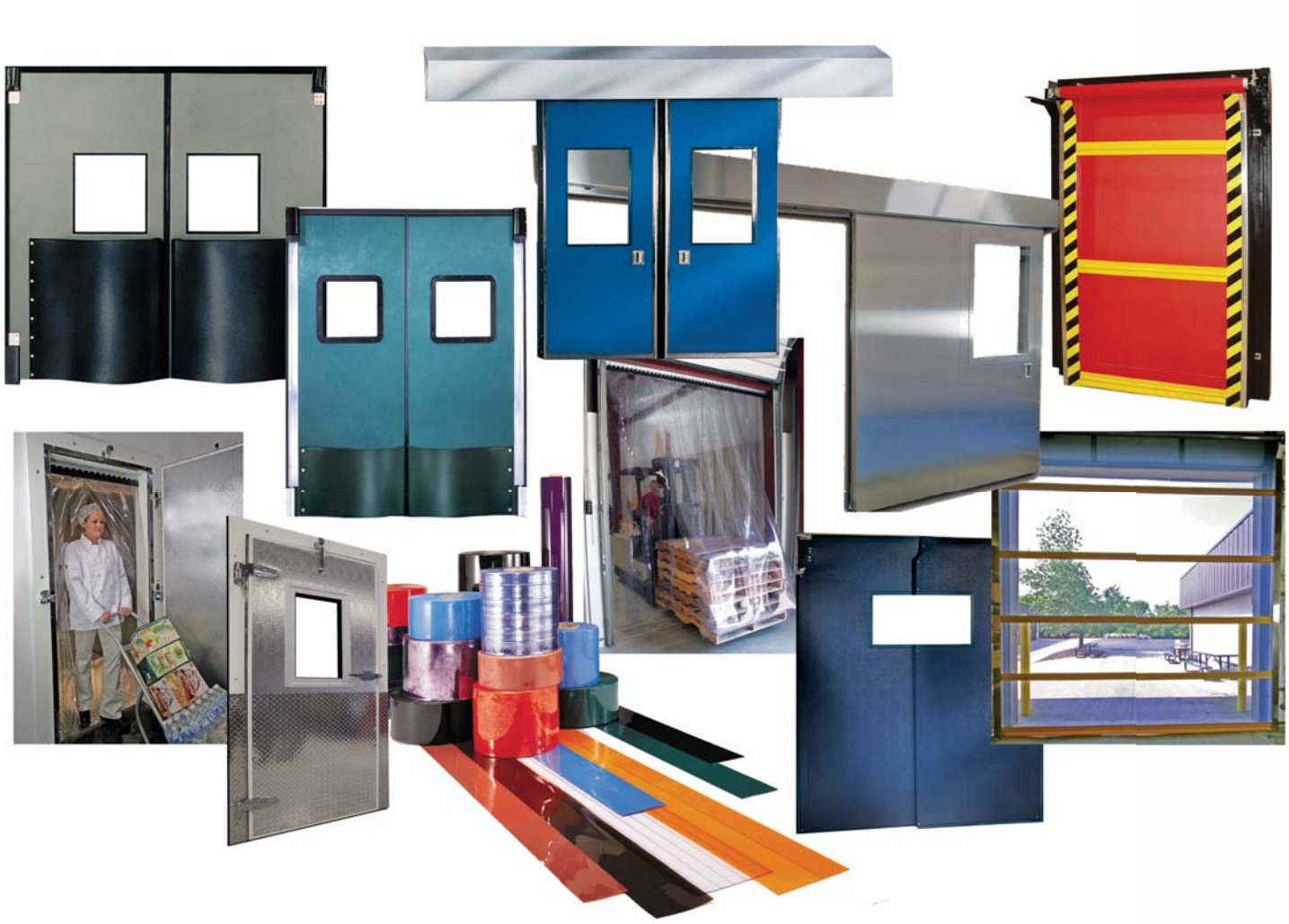
Fiberglass Frames

Fiberglass frames are constructed of 1/4" thick, fiberglass material with reinforced, mitered corners. Fiberglass frames are available in 4" wide (single rabbet) or 5-3/4" wide (double rabbet) profiles. Reinforcements are placed inside the frame for installation of the door hardware.

Stainless Frames

Manufactured for any wall thickness, stainless frames can ship K.D. (knock down), face welded or fully welded. Standard type 304 stainless and optional type 316 material is available. Single or double rabbet frames can be manufactured for walls as narrow as 3", or as wide as 12".

Other Specialty Door Products from Chase Doors



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Chase Doors

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for Durulite CR1400 and all other door products please call 800.543.4455 / 513.860.5565 Fax: 800.245.7045

Brochure # FIBCR1400 0210

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