Regents Cold Storage Doors Seal Best



ADVANCED INSULATION CONCEPTS, INC.

The Story Behind Regent D

We Began With The Best

Advanced Insulation
Concepts started out as a
manufacturer of insulating
panels in 1977. Soon, our
commitment to excellence
in quality of product and
service helped make
ISOWALL™ brand
insulating panels one of
the most respected speciality
building products in the world.



Worked To Perfect It

REGENT® doors were then developed to fill the need for a superior insulating door.

Most cold storage insulating doors at the time were – and still are – being built with wood frames and galvanized sheet metal, using technology developed half a century ago. Working with contractors, design professionals, and building owners, we identified target performance criteria for cold storage doors and developed a door which met those criteria. In 1984, we began manufacturing and selling REGENT cold storage doors.



Vertical Lift Doors

Covered All Bases

Our first door type was the Single Sliding Door, the workhorse of the cold storage industry. Soon after, we added Bi-Parting Doors, Swing Doors, and Single Vertical Sliding Doors. In each case, REGENT has striven to produce a door which provides superior insulation value, a pressure perfect seal, and smooth, effortless operation.

And Left The Future Wide Open

REGENT is committed to superior quality, innovation and performance. It is this commitment that allows us to produce a wide variety of doors for special applications, such as: -70° F Blast and holding freezers for the fish industry; 8' x 42' power operated horizontal sliding roof hatches for the aircraft industry; and 34' x 30' Bi-Parting Doors for the aerospace industry.

Specialty doors usually present unique challenges due to their size or the conditions under which they must operate. Often the solutions to those challenges later find their way into our regular product line. Many of our current standard features began as solutions for a one-of-a-kind specialized door.



Two examples include our Extra Heavy Duty Modification for Horizontal Sliding, Bi-Parting, and Vertical Lift Doors, and our high tech, high speed electric operator. The same commitment to superior quality, innovation and performance that allows us to design and manufacture high tech speciality doors drives us to produce the finest standard insulating doors for common applications.

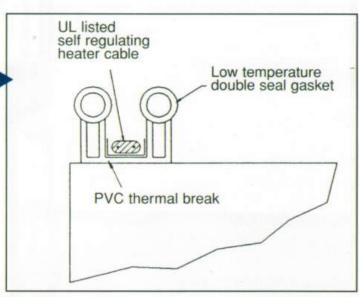
The Best Doors M

The most important aspect of an insulating door system is the ability to seal the opening. Too often, the seal is given secondary status and even appears to be an afterthought for many manufacturers. Not so with REGENT doors. Each part of every door we make is designed with a pressure-perfect seal in mind.

Standard Features

Superior Double Seal Gasket System

REGENT Doors come equipped with a specially designed double seal gasket system. All gaskets are made with a low temperature material capable of maintaining shape and resiliency at temperatures down to -60° F.





Three Cam Rise Edge-Mounted Hinges

REGENT Swing Doors come equipped with three cam rise edge mounted hinges to ensure easy operation, long lasting performance and a perfect seal on all four sides.

Unique Structural Steel Profile Track – No More Gasket Drag!

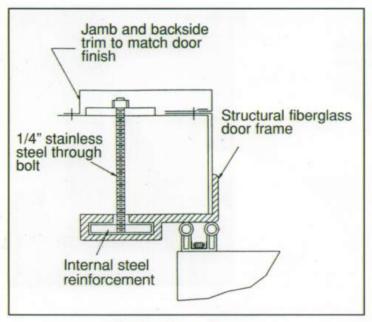
Single Sliding and Bi-Parting Doors utilize a unique structural steel profile track with very pronounced "roller dip" sections to ensure a perfect seal and eliminate the gasket drag common to other door systems.



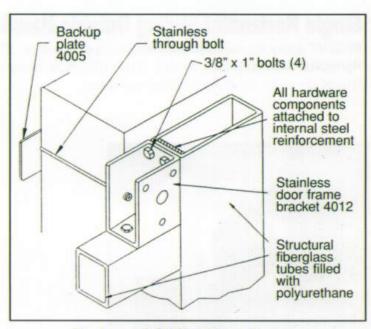
ake The Best Seal

Structural Fiberglass Door Frames

REGENT Door Frames are constructed with structural Fiberglass sections. This provides a smooth, durable surface for the gasket to seal against. All hardware components are secured to internal steel plates. This design eliminates the problems of thermal shorting, warping and screw pull-out associated with traditional frame construction.



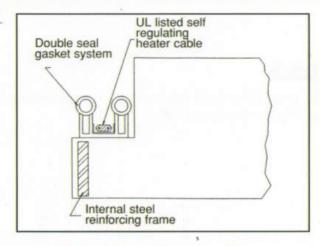
Swing Door Frame



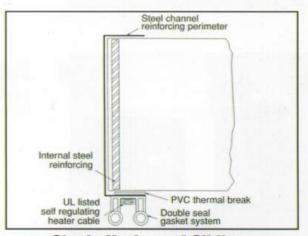
Horizontal Sliding Door Frames

Regent Doors Utilize All Steel Construction

REGENT Doors utilize all steel construction. All doors are produced with extra strong steel reinforcing perimeters. Single Horizontal Sliding, Bi-Parting & Vertical Lift Doors utilize steel channel perimeters with internal steel reinforcements for extra strength and component attachment. Swing Doors have a unique internal steel frame for superior stiffness and extra secure hardware fastening.



Swing Door Construction



Single Horizontal Sliding, Bi-Parting & Vertical Lift Door Construction

Best Quality Components Provide Ultra Smooth, Ultra Quiet Operation

REGENT doors offer silky smooth operation. From the smallest swing door to the largest bi-parting door, quiet, low-effort opening and closing is a top priority.

Easy-To-Open Handles

Single Horizontal Sliding Outside Handle

REGENT doors are supplied with easy to open handles. This Single Horizontal Sliding Outside Handle allows effortless operation of our largest doors for even the smallest individual.





Single Horizontal Sliding Inside Handle

Unique inside handle allows easy operation and recesses out of the way automatically when not in use.



Swing Door Latch

Our Swing Doors are provided with an easy-to-open, tamper resistant latch that can be operated with a closed fist.

Superior Performance Enhancing Options

Our doors are available with more options to ensure you get exactly the door you need. You do not have to compromise with REGENT.

Additional Features

Extra High Quality Locks

REGENT Doors are available with extra high quality locks. This Single Horizontal Sliding model has no exposed fastening points and an easy-to-use, inside safety release.



Swing Doors are available with a heavy duty, full-width panic bar for hands-free operation and high use areas.

Stainless Steel Track and Trolley System

REGENT Horizontal Sliding Doors are available with stainless steel track and trolley systems for long-lasting high performance in extremely corrosive applications.

Regent Electric Doors Offer Fully Adjustable Open & Close Speeds

REGENT Power Operated Doors feature unique Horton Flex Drive systems. This unique micro processor controlled belt drive system is fully adjustable for opening and closing speeds. It provides exceptionally quiet and smooth operation at speeds up to 60 inches per second per door leaf.

A multitude of actuating devices are available: touchless switches, loop detector systems, presence detectors, photo beams, pull cords, and push buttons. These allow you to customize your openings for maximum efficiency.









As the U.S. manufacturer of high-performance ISOWALL™ brand insulating panels, AIC offers builders and building owners a construction solution with an unbeatable track record. Whether the application involves a refrigerated or some other controlled environment, ISOWALL panels have been put to the test in almost every imaginable climate, temperature and humidity condition. That's why ISOWALL is the world's premier structural insulating panel system.

Contact AIC for more information about ISOWALL.

Warranties

All REGENT brand insulating doors as manufactured by Advanced Insulation Concepts will conform to the specifications set forth in its published REGENT Door Specifications and further described in the Bill of Materials used to order them and will be free from defects in material and workmanship when delivered. Advanced Insulation Concepts, Inc. makes no other warranties express or implied, including the warranty of merchantibility or fitness, except as set forth in the REGENT Door Specifications.

For information developed subsequent to the publication of this brochure (September 1995) consult Advanced Insulation Concepts, Inc.



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