



Sealing Solutions Reference Guide

Zero Preferred™ and Zero Everyday™ Series



ALLEGION 



DOOR SEALING SOLUTIONS: GUARDING AGAINST THE ELEMENTS

An often-overlooked detail, door seals are critical to door performance. Seals play an important role in minimizing airflow, energy loss and sound transmission. Whether you need products to help you achieve LEED certification, control airflow, improve energy efficiency, or contain sound, the Zero® line combines aesthetics and sustainability with durability and performance.

Door Seals Serve Many Purposes



Life Safety

Codes and standards require gasketing to be used on fire-rated openings to minimize air leakage. Reducing air infiltration helps prevent the spread of smoke and fire.



Smoke and Draft Control

For openings that are also smoke and draft control doors in corridors and smoke barriers, there are even more stringent requirements for air leakage specified by code.



Sound Transmission

When acoustical performance is a priority, specialty sealing solutions are available to minimize noise transmission.



Air Infiltration

Facilities can improve their energy efficiency and realize heating and cooling cost-savings when openings are properly sealed.



ADA Accessibility

Certain types of sealing solutions, like thresholds, bridge the gap between the bottom of the floor and the door, therefore they play an important role in accessible design.

CONSIDERATIONS WHEN CHOOSING SEALING SOLUTIONS

Whether you're navigating high-traffic environments or budget-conscious projects, Zero has the solution to guide you every step of the way. Our offerings include gasketing, thresholds, and a range of accessories designed to support every critical opening in operating as intended.



Zero Preferred Designed for High-Demand Environments

Purpose-built for high-use, demanding applications such as schools, hospitals, universities, and other institutional facilities.

- Premium materials
- For challenging applications
- Innovative design
- Reliability and durability



Zero Everyday For Practical Solutions for Your Opening & Budget

Designed for medium to light-duty applications such as multifamily residences, hospitality, retail, and commercial offices.

- Budget friendly
- Consistent performance
- Ease of installation
- Cost-effective materials





THE MAIN TYPES OF SEALING SOLUTIONS

Zero offers a comprehensive range of sealing solutions specifically designed to meet the diverse demands of various environments.

Thresholds

Thresholds are essential components of door assemblies, designed to bridge the gap between the bottom of the door and the floor. While all thresholds serve the purpose of sealing gaps and providing smooth transitions, they come in various types, each suited for specific applications.

Saddle Thresholds

Equally sloped on both sides for even floor heights across both sides of an opening.

Model #63

Half-Saddle Thresholds

Accommodates differences in floor heights, spanning one side of an opening.

Model #1545

Offset Thresholds

Stepped design that bridges uneven floor heights.

Model #102

Rabbeted Thresholds

Raised edge that provides a flush-sealing surface for the door face.

Model #65

Thermal Break Thresholds

Features an insulated barrier to mitigate extreme temperatures at exterior openings.

Model #624

Carpet Divider Thresholds

Provides transition between carpet and flooring.

Model #522

Adjustable Thresholds

Interlocking plates to accommodate uneven floors and clearances.

Model #676

Ramps

Sloped design for accessibility.

Model #2676

Interlocking

Interlocks with the bottom of the door for superior sealing.

Model #175

Specialty Solutions

Zero specialty products encompass solutions and products designed for specific challenges, such as fire safety, sound control, accessibility, and environmental protection. These solutions are crafted from high-quality materials and innovative designs to ensure superior performance, compliance with stringent codes, and adaptability to complex installation scenarios.



Gasketing

A door sweep, door shoe, head and jamb gasketing, and astragals are all components used to seal gaps around doors, but they serve different purposes and are installed in different locations

Door Sweep

Installed at the bottom of the door face.

Model #539

Door Shoe

U-shaped or L-shaped component that fits around the bottom edge of a door, or is mortised within the bottom of the door.

Model #110

Head and Jamb Gasketing

Installed along the top (head) and sides (jamb) of a door frame.

Model #712

Meeting Stile Gasketing

Vertical seal or molding between a pair of doors, mounted to a single leaf (astragal), or mounted to each leaf in a pair (meeting stile).

Model #383

Weatherstripping

Weatherstripping refers to materials or seals used to prevent air, water, or contaminants from entering gaps around doors, windows, or other openings. Zero offers a diverse range of weatherstripping solutions.

Kerf Frame

Fits into the kerf or groove of the door frame.

Model #8810S

Self-Adhesive

Features a pressure sensitive adhesive (PSA) backing that allows for quick installation without tools or fasteners.

Model #8144S

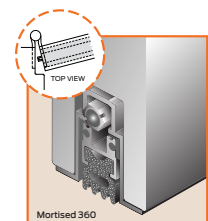
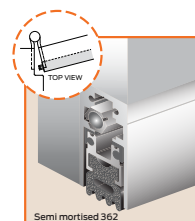
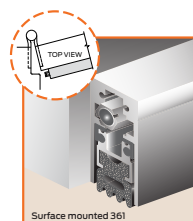
Door and Window

Metal weatherstripping specifically designed for door and double hung window applications.

Model #18B

Automatic Door Bottoms

Automatic door bottoms feature an adjustable plunger. As the door is closed, it is compressed against the door frame, activating a concealed flat spring mechanism. This mechanism drops the seal smoothly from the housing in a scissor-like motion. The door seal compresses on both even or uneven surfaces and retracts automatically when the door is opened to reduce wear. Zero offers surface mounted, semi-mortised and mortised to suit the needs of your application.





WHEN ENVIRONMENT MATTERS

Some environments demand meticulous attention to detail, leaving nothing to chance. That's when you can rely on the Allegion Zero line of products.



Quality

Every Zero product is designed for premium performance. Nothing is left to chance with Zero—whether it's an innovative feature that aids installation, a material that enhances reliability, or a sustainable design that promotes energy efficiency.



Longevity

Allegion Zero products are meticulously engineered for longevity, using high-quality materials and innovative designs that deliver robust sealing solutions suitable for extreme environmental conditions.

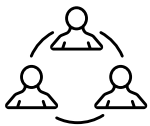


Versatility & Breadth of Options

Zero provides a comprehensive selection of door sealing solutions for practically any opening, ensuring we can fulfill your needs when—environment truly matters.



ALLEGION SERVICE & SUPPORT



Consultative Services

Allegion's security consultants will partner with you to simplify the process of determining your security needs and provide the right solutions for your building. We can also connect you with our numerous distributor, locksmith, and integrator partners to help streamline the process from specification through installation and beyond.





How We Can Help

- Conduct facility assessments to help identify and prioritize needs
- Develop facility standards to drive consistency throughout your locations
- Pre-installation site visits to train personnel on product installation, maintenance and use
- Post-installation site visits to ensure all products are installed properly, will pass inspection and are in good working condition
- Consult on adopted building codes to ensure fire, life safety and accessibility requirements are met
- Create specifications and hardware schedules for new construction and renovation projects

About Allegion

At Allegion (NYSE: ALLE), we design and manufacture innovative security and access solutions that help keep people safe where they live, learn, work and connect. We're pioneering safety with our strong legacy of brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Our comprehensive portfolio of hardware, software and electronic solutions is sold around the world and spans residential and commercial locks, door closer and exit devices, steel doors and frames, access control and workforce productivity systems.

For more, visit www.allegion.com

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