



Integrity 
Architectural Door Seals

Product Catalogue

*Building integrity,
safety and comfort
through fire, smoke,
sound and energy
solutions*

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At Kilargo, we provide simple and smart solutions to maximise the safety, comfort and performance of commercial and multi-occupancy buildings.

Our innovative products are designed to contain the spread of fire, smoke and sound with many also providing weather protection and energy savings. We deliver integrated and cost-effective systems that are ideal for any commercial building, high-rise complex, health or education facility.

Kilargo is built on a 30-year commitment to be the best. We stand proudly at the forefront of the industry, driving standards and delivering products that lead the way in design, manufacturing and quality.

Previously trading as Lorient Australia, we're respected experts in the principles of fire, smoke and sound. Our straight-talking approach makes it easy for clients to meet and exceed building regulations, knowing they've chosen the right system to ensure building integrity.

We know that our work can protect lives and influence reputations, so we don't just sell products. We build solid partnerships through understanding, flexibility, seamless service and genuine enthusiasm.

Kilargo is a proud Australian company with a global presence. The vast majority of our products are manufactured and sourced in Australia, meaning fast turnaround and short lead times. We also enjoy direct links to suppliers, partners and customers in the United Kingdom, Asia, North America and the Middle East.

Our products are rigorously, independently and regularly tested and all come with the Kilargo Integrity Seal: your guarantee that they're backed by our passion for excellence, innovation, service, partnership, expertise and sustainability.

For us, it's about providing exceptional products for great buildings: helping you to meet regulations, protect people and property, and enhance well-being. Choosing Kilargo simply means choosing the best solution for your project, every time.

The Kilargo Integrity Seal represents what our clients can expect from our products and our service.

When it comes with the Kilargo Integrity Seal, it's backed by our passion for excellence, innovation, service, partnership, expertise and sustainability.

Every day, we strive to meet six key commitments – to bring you real confidence.

Excellence, Every Time

Our products perform and last. We subject every Kilargo product to tough, independent and regular testing. We have earned a reputation for exceptional quality and reliability in commercial and multi-occupancy buildings across Australia and around the world.

The Latest and Best

With Kilargo, you know you're getting the latest thinking in building safety, comfort and energy efficiency. We create, innovate and update. We are industry leaders in research and product development – and we're constantly involved in new developments internationally.

Superb Service, No Fuss

We keep our promises, tackle challenges with gusto, and deliver on time and on budget. Most of our products are manufactured and sourced domestically, meaning fast turnaround and short lead times. We pride ourselves on being technical specialists with a straight-talking approach. We make it quick and easy for you: from selection to installation.

Real Partnership

We know that our work can influence reputations and protect lives. That's why we don't sell products and walk away. We strive to truly understand our clients' needs and build enduring partnerships. That way, we see things through your eyes – so we're proactive, resourceful and always ready when you need us.

Great Team, Unbeatable Experience

With Kilargo, you get a great team that knows its stuff. We employ the best people and we're respected experts in the principles of fire, smoke and sound. We've been an internationally respected leader in the building hardware industry for more than 30 years – and we're proud to drive standards and quality further every day.

Bigger Commitment

We see the bigger picture ... and our passion for the built environment extends to the natural environment. We continue to meet and exceed all relevant environmental legal requirements, reduce and manage our waste and emissions, and use resources as efficiently as possible.



Total Support

Let Us Help You Make the Right Choice

At Kilargo, we strive to truly understand our clients' needs and build enduring partnerships.

As leaders in the design and manufacture of a wide range of sealing systems, our experts are on hand to listen, help and advise. We can provide clear facts, evidence and data – as well as recommendations on how to best meet building regulations.

We also have specialised products for unusual challenges and often work with clients to develop unique solutions.

Kilargo is proud to manufacture our products locally – so we can provide quality, speed, unwavering service and real support.

Web Support

Our comprehensive website features Kilargo's extensive range of products. Our product data sheets, door sealing systems and fitting instructions can all be downloaded from the site.



Kilargo does its utmost to ensure that all technical information and recommendations given in this publication are based on factual research, backed up by a wealth of practical experience. Published data is given in good faith but we urge users to determine for themselves the suitability of the products offered, for their own particular application.

Images are not necessarily to scale, please use measurements given as a guide only. Kilargo reserves the right to alter specifications, or make obsolete any of its products, without prior notice. © Kilargo 2012.

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Integrity Architectural Seals Overview

Integrity Architectural Seals

Professionally manufactured to exacting standards, Integrity Architectural Seals have been developed by Kilargo for use in modern healthcare, commercial, industrial and public buildings.

The seals provide an exceptional, cost-effective solution for:

- containing sound
- limiting the spread of fire and smoke
- improving energy efficiency
- preventing weather infiltration.

Australian Made

Our Integrity Architectural Seals are proudly manufactured entirely in Australia.

This allows us to offer our customers:

- outstanding quality
- dedicated customer support
- short lead times and fast turnaround
- customised product manufacture.



New and Custom-Made Products

If you have a special need and can't find the right product, please call us. We pride ourselves on leading the industry in product development and innovation, and we often work with industry partners to develop customised solutions.

Trade Associations

Kilargo is a member of the Fire Protection Association Australia (FPA) and the Architectural Door Hardware Association (ADHA).



Product Warranty

Kilargo does its utmost to ensure that all technical information and recommendations are based on factual research and a wealth of practical experience. Published data is given in good faith but we urge users to decide the suitability of the products for their own particular application.

All standard products are guaranteed for two years from the date of sale, against any defects in materials or workmanship. They will be replaced without charge in any such case, provided our recommendations have been followed and the seals have been fitted according to the relevant published instructions.

Kilargo door seals are supplied as per our standard product range in "completed goods form". This is to ensure your product warranty against defects in materials or workmanship is maintained.

The Kilargo product warranty is negated when any of our products are disassembled, painted, powder coated, or changed from the original condition of supply. Since the actual fitting of the seals and the conditions of service are beyond our control, no liability can be accepted beyond the above commitment to replace defective goods.

Kilargo reserves the right to alter the specification, published data, or make obsolete any of its products, without prior notice.

Prices and Conditions of Sale

A price list for all Kilargo's products is available on request. Kilargo's commitment to innovation means that the products supplied may differ slightly from those described in this brochure.

All products are sold subject to Kilargo's terms and conditions of sale which are available upon request.

Building Regulations and Associated Standards

Outline

Building Regulations exist to ensure the safety and comfort of building users. In Australia's States and Territories this is regulated through the provisions outlined in the Building Code of Australia (the BCA).

The BCA provides detailed guidance on performance and construction requirements for various building types and frequently references applicable Australian Standards. These documents detail specifications and procedures designed to ensure products, services and systems are safe, reliable and consistently perform the way they were intended to.

The BCA covers several areas that directly relate to the Integrity range of architectural door seals including:

- acoustic insulation and the containment of sound
- fire resistance
- smoke control
- bushfire risk
- weather exclusion
- conservation of energy
- accessibility and mobility



Acoustics

The BCA regulates minimum acceptable acoustic requirements for buildings in Section F. Part F5.5.b requires a door assembly in a Class 2, Class 3 building, which separates a sole occupancy unit from a stairway, public corridor, public lobby or the like, to have a minimum sound insulation rating of RW30. *(It should be noted that States' and Territories' requirements vary so please check with your local regulatory authority as to what regulations may exist for your region.)*

The following published test standards detail test methods and guidance on the measurement and application of results to determine single figure sound insulation ratings.

AS1191: 2002/ISO140.3: 1995/ISO10140.2: 2010 – Acoustics - Method for laboratory measurement of airborne sound insulation of building elements.

These standards specify the laboratory method for measuring the airborne sound reduction index for building elements such as walls, doors, windows and other space dividing elements. The values of sound reduction index measured in accordance with these standards may be applied to AS/NZS ISO717.1: 2004 to calculate a single number that characterises an acoustical performance. This is the weighted sound reduction index **Rw**.

AS/NZS ISO 717-1: 2004 – Rating of airborne sound insulation in buildings & building elements.

As mentioned above, this standard provides a set of rules for determining single figure **Rw** results from the results of tests conducted in accordance with AS1191/ISO140.3. The standard defines single number values for airborne sound insulation in building elements and takes into consideration the different sound level spectra of various noise sources within the building and its environment.

Fire Resistance/Fire Door Assemblies

The Building Code of Australia (BCA) regulates the fire resistance of building elements in Part C and stipulates where fire doors are required in a building's design and what level of fire-resistance is required. Specification C3.4 details the requirements for fire door assemblies and mandates they comply with the requirements of AS1905.1: 2005.

AS1905.1: 2005 – Components for the fire protection of openings in fire resistant walls Part 1: Fire doors.

This standard specifies requirements for the construction and installation of fire-resistant door sets used to protect openings in walls and partitions that are required to resist the passage of fire. The fire resistance level of a fire door assembly is determined by testing in accordance with AS1530.4.

AS1530.4 – Fire resistance tests of elements of building construction.

This standard provides building designers, manufacturers, test laboratories and regulatory authorities with a set of uniform requirements and criteria for the determination of a building elements fire resistance level by subjecting it to standardised fire exposure conditions.

It is important to note that Australian fire door designs are proprietary by nature. It is therefore a requirement that door seals and other items of essential hardware are tested in accordance with AS1530.4 with each fire door manufacturer's door type, ensuring they do not compromise the assembly's established fire resistance level.

Building Regulations and Associated Standards cont'd

Smoke Control

Smoke door assemblies are designed to improve life safety in buildings by limiting the spread of smoke through door openings and ensuring exit paths remain un-obscured and functional. Typical applications include lift lobbies, hospital corridors, hotels and unit entry doors in multi-residential apartments.

Currently a smoke door assembly must meet the 'deemed to satisfy' provisions of Specification C3.4 Part 3 of the Building Code of Australia (BCA), unless otherwise specified.

With the introduction of a performance based BCA, the use of smoke doors has increased, leading to a need to adequately specify and install doors having a quantifiable level of smoke leakage performance. Two Australian Standards have been developed to help improve life safety in buildings by limiting the spread of smoke through door openings, and providing parameters for door assembly performance based on allowable leakage rates at given temperatures and pressures.

AS6905: 2007 – Smoke Doors.

This standard sets out the requirements for the specification, construction and installation of smoke door assemblies and provides important guidance on maximum allowable smoke leakage rates for single and double door configurations

AS1530.7: 2007 – Methods for fire tests on building materials, components and structures. Part 7 – Smoke control assemblies – Ambient and medium temperature leakage test procedure.

This standard sets out a method to measure the leakage of ambient and medium temperature smoke from one side of a door assembly to the other under specified test conditions.

Building Regulations and Associated Standards *cont'd*

Bushfire Risk

The Building Code of Australia (BCA) regulates construction in bushfire prone areas for Class 2 to 9 buildings in section G, Part G5 and for Class 1 and 10 buildings Part 3.7.4 and requires construction in accordance with AS3959: 2009. (It should be noted that States' and Territories' requirements vary so please check with your local regulatory authority as to what regulations may exist for your region.)

AS3959: 2009 - Construction of buildings in bushfire prone areas.

This standard specifies requirements for the construction of buildings in bushfire-prone areas in order to improve their resistance to bushfire attack from burning embers, radiant heat, flame contact and combinations of the three attack forms. The standard is limited to those buildings where the Bushfire Attack Level (BAL) has been determined as BAL - LOW, BAL-12.5, BAL-19, BAL-29, BAL-40 or BAL-FZ (Flame Zone) and provides detailed guidance on construction requirements for each attack level.

Door bottom seals from the Integrity range incorporating silicone rubber gaskets provide door sealing solutions as required by this standard.

Conservation of Energy & Weather Exclusion

Door seals greatly assist in increasing the energy efficiency of conditioned environments by providing a barrier to unwanted hot or cool air movement. They can immediately increase comfort levels and assist with the control of cold drafts or rain infiltration.

The BCA recognises the need to reduce greenhouse gases and use energy in a more sustainable manner. Section J Part J3.4. C provides guidance on energy efficiency measures and specifically the draft proofing treatment of doors that form part of an envelope of a conditioned space, the external fabric of a habitable room or public area in climate zones 4, 5, 6, 7 and 8 (note: fire and smoke doors are excluded).

Although the BCA sets out specific guidelines for energy efficiency in buildings, large climatic variances mean that States and Territories of Australia apply their own Building Control Acts, which specify their own energy efficiency schemes and requirements. Please check with your local regulatory authority about regulations for your region.

Accessibility & Mobility

The BCA recognises the need to provide people (as far as is reasonable) with safe, equitable and dignified access to a building, the services and facilities within a building; and safeguard occupants from illness or injury while evacuating in an emergency. Section D, Part D.3 provides guidance on access for people with disability and makes reference to AS1428.1

AS1428.1 2009 Design for Access and Mobility: Part 1: General requirements for access—New building work.

This standard specifies the design requirements for new building work to provide access for people with disabilities. Particular attention is given to continuous accessible paths of travel and circulation spaces for people who use wheelchairs; access and facilities for people with ambulatory disabilities; and access for people with sensory disabilities.

The standard includes maximum door opening and closing forces for ease of door operation, threshold heights and door width requirements. Appropriate combinations of Integrity seals offer very low frictional forces in operation, thereby eliminating any increase to the opening and closing forces of the door.

Easy Selection

To help you choose the right door seal for your project or specification, the following symbols are used throughout this brochure.

Use the key below to identify, at a glance, what each product is designed to do.



Ambient (cold) temperature smoke:

Seals for this designation are designed to control smoke at ambient temperature conditions.



Medium temperature smoke:

Seals for this designation are designed to contain smoke at 200° C for 30 minutes exposure, as per the 'deemed-to-satisfy' requirements of Specification C3.4 of the Building Code of Australia.



Hot smoke:

Hot smoke seals incorporate an intumescent material that rapidly expands in volume upon heating. These types of seals limit the spread of hot smoke and gases produced by fully developed fires.



Approved for use on proprietary fire doors:

Fire tests to AS1530/4 have been conducted on one or more proprietary fire door constructions to show that the addition of these seals will not affect the already established fire resistance levels of the fire doors. Strict compliance with AS1905/1 requires each door type to be tested with each item of hardware. For each project, please check with the respective fire door manufacturer to verify that their door construction has the relevant listing for Kilargo Integrity Seals.



Approved for use on proprietary smoke doors:

Seals for this designation have been tested in accordance with AS1530/7 for smoke leakage, providing ambient or medium temperature leakage rates across various pressures.



Antimicrobial version available

SteriTouch® range of antimicrobial seals are designed to reduce the growth of harmful organisms such as bacteria, mould and fungi, while remaining safe for even the most sensitive applications. Based on established silver technology SteriTouch® is particularly effective against illness causing bacteria such as MRSA, E. Coli and Salmonella.



Sound containment (acoustics):

Testing for door assemblies incorporating these seals has been conducted to AS1191 and/or ISO140 Part 3/ISO10140.2 both Rw and STC single value ratings are available as calculated using the principles of AS/NZS ISO717.1.

The Building Code of Australia 2011 sets out specific acoustic performance requirements for door assemblies in a number of situations.

Please check with your local regulatory authority as to what regulations may exist for your region.



Design for access & mobility:

When installed as per our instructions, these seals offer very low frictional forces, thereby eliminating any increase to the opening and closing forces of the door—an important consideration when meeting the requirements of AS1428/1.



Energy efficient:

Door assemblies fitted with appropriate seals can greatly assist in reducing air movement within buildings. Whether controlling warm or cool air, seals play a vital role in maintaining the equilibrium of air conditioned spaces. Reducing leakage paths greatly assists in improving the overall energy efficiency of the building.

Product Illustrations

All dimensions in this brochure are in millimetres and illustrations are not to scale.

NOTE: Use of the icons does not necessarily indicate that test evidence exists. Please check with our technical team.

New



Antimicrobial Silicone Seal Range

The seal range that eliminates up to 99.99% of bacteria



Our new range of **Antimicrobial Silicone Seals** has been manufactured with in-built SteriTouch® protection, with 'clean-room' environments in mind. SteriTouch® reduces the growth of harmful bacteria, mould and fungi by up to 99.99%.

Ideally suited for:

Hospitals • Medical Centres • Child Care Centres • Schools • Food Handling Facilities



Look for the antimicrobial icon for applicable product.

Integrity

SteriTouch
ANTIBACTERIAL PROTECTION

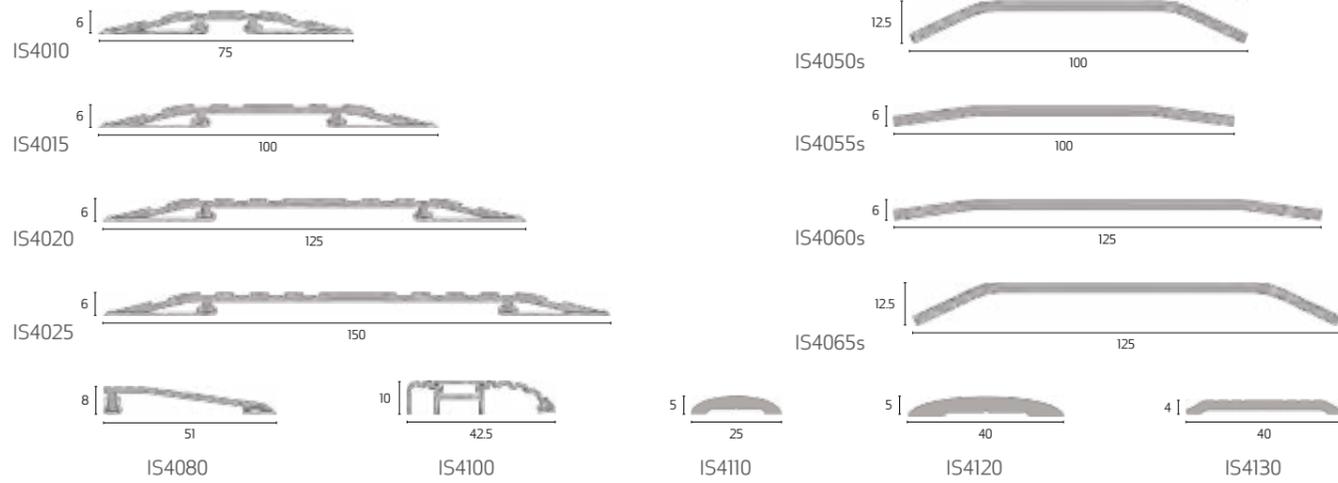
Visit our website for latest developments and updated information: www.kilargo.com.au
All Kilargo products are generally stocked from our many national distributor outlets.

Contact us with your enquiries: P1300 858 010 P+61 7 3635 5000 E info@kilargo.com.au

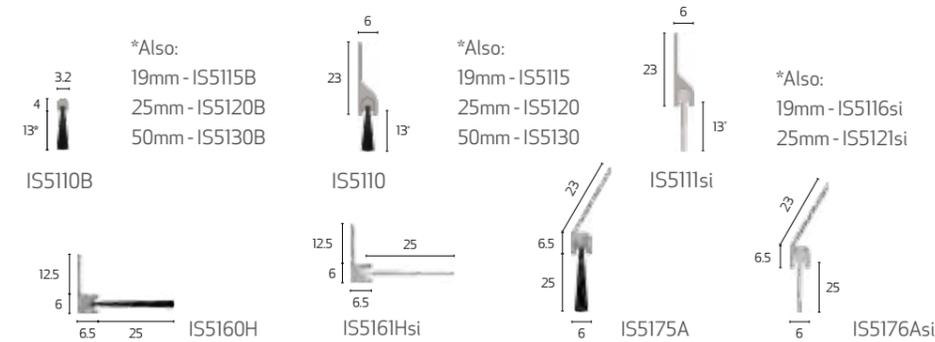
Extruded Elastomeric Seals 1000 Series



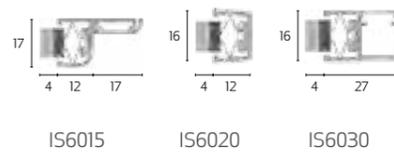
Threshold Plates and Ramps 4000 Series



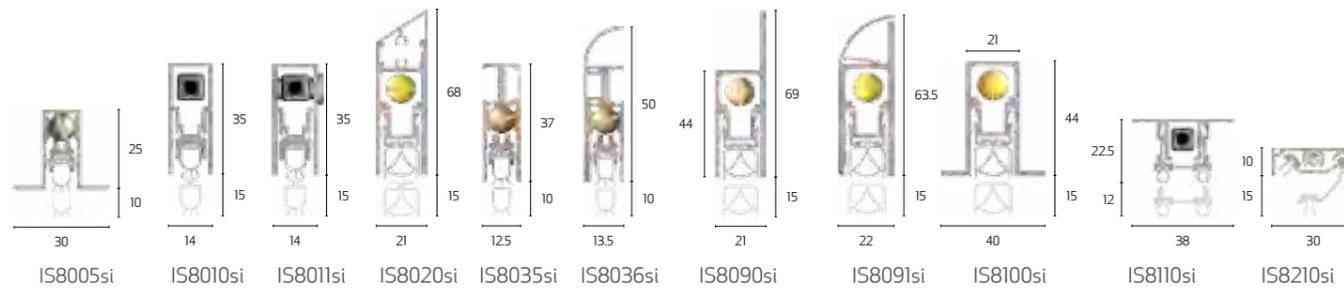
Sweep Action Seals 5000 Series



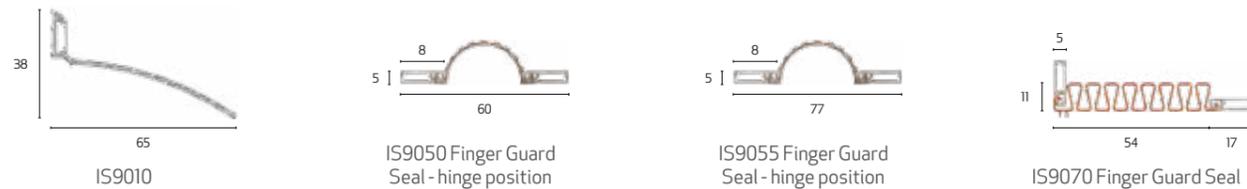
Magnetic Seals 6000 Series



Automatic Door Bottom Seals 8000 Series



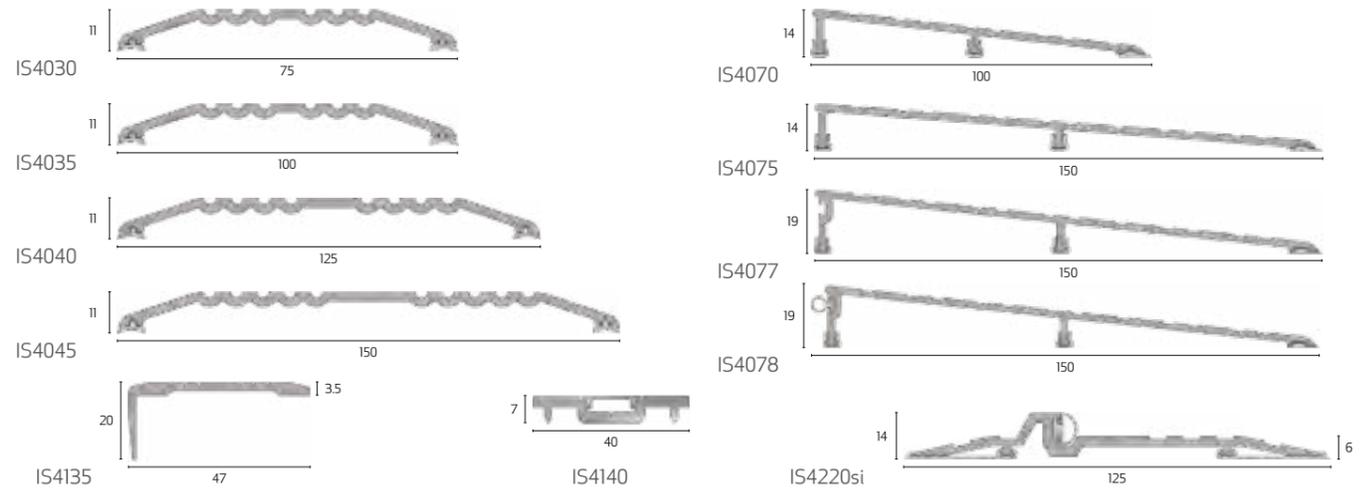
Specialty Seals 9000 Series



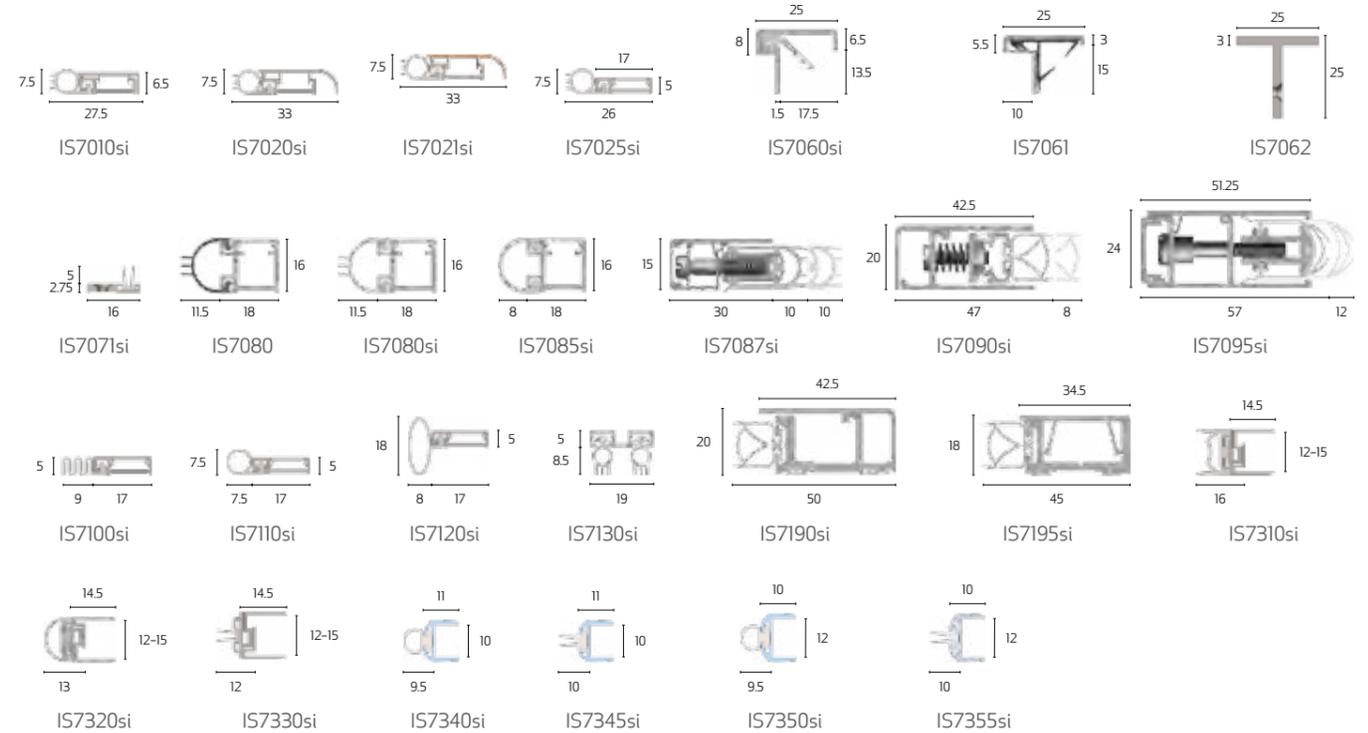
Door Bottom Seals 3000 Series



4000 Series cont'd



Perimeter Seals 7000 Series



Integrity Architectural Seals are manufactured in Australia from locally sourced materials allowing for:

- high product quality
- product customisation
- short lead times

All dimensions are given in mm and illustrations are not to scale.

Extruded Elastomeric Seals

1000 Series

A comprehensive range of self-adhesive and kerf-fitting seals, helping to provide a barrier to smoke, sound and weather.

Elastomeric Perimeter Seals

IS1212, IS1515



These self-adhesive perimeter seals are fitted in the rebate of a door frame to contain smoke, sound, draughts, dust and light. Strategically located in the impact free zone, the seal adheres to the frame quickly and easily without having to remove the door.

The seal consists of a semi-rigid flame retardant PVC carrier combined with twin elastomeric sealing blades. An aggressive self-adhesive backing tape is situated on both sides of the carrier.

NB. To ensure proper adhesion, contact surfaces must be clean & any paint well-cured.

Gap size

- IS1212: Required door clearance 2-3mm
- IS1515: Required door clearance 4-5mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2100mm
- 2400mm
- 2700mm
- 3000mm

Standard colours

- Black
- White
- (Dark brown and grey available to special order)

Approval/s

- Fire tested in accordance with AS1530 Part 4
- Medium temperature smoke leakage tests to AS1530 Part 7 (for IS1515)
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 100,000 open and close cycles



Right: IS1212 seal shown adhered to a metal frame. The symmetrical design of this seal ensures the fins are always in contact with two surfaces of the door leaf, creating an air chamber to provide excellent smoke and acoustic performance.



Right: IS1515 seal shown adhered to a steel frame with an IS8010si automatic door bottom seal. This sealing combination has been tested on a proprietary door in accordance with AS1530 Part 7, providing an excellent smoke seal across ambient and medium temperatures.

The door bottom seal is shown with the operating button on the visible side to highlight illustration. When installing, the operating button would be located on the hinge side of the door for activation against the door frame rebate.

10000

Elastomeric Perimeter Seals

IS0511



Incorporated into door assemblies for its medium temperature smoke and acoustic properties. Also used as a privacy seal on toilet cubicle doors.

This rigid PVC base seal has co-extruded flame retardant, twin flexible smoke and acoustic fins. It fits quickly and easily into a nominal 3mm (wide) by 5mm (deep) interference fit groove.

Gap size

- Min. 2mm / max. 5mm

Standard lengths

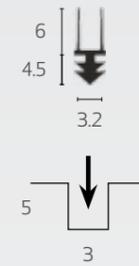
- 1000mm
- 2100mm
- 2400mm
- 2700mm
- 3000mm

Standard colours

- Black

Approval/s

- Fire tested to AS1530 Part 4
- Medium temperature smoke leakage tests to AS1530 Part 7
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 100,000 open and close cycles

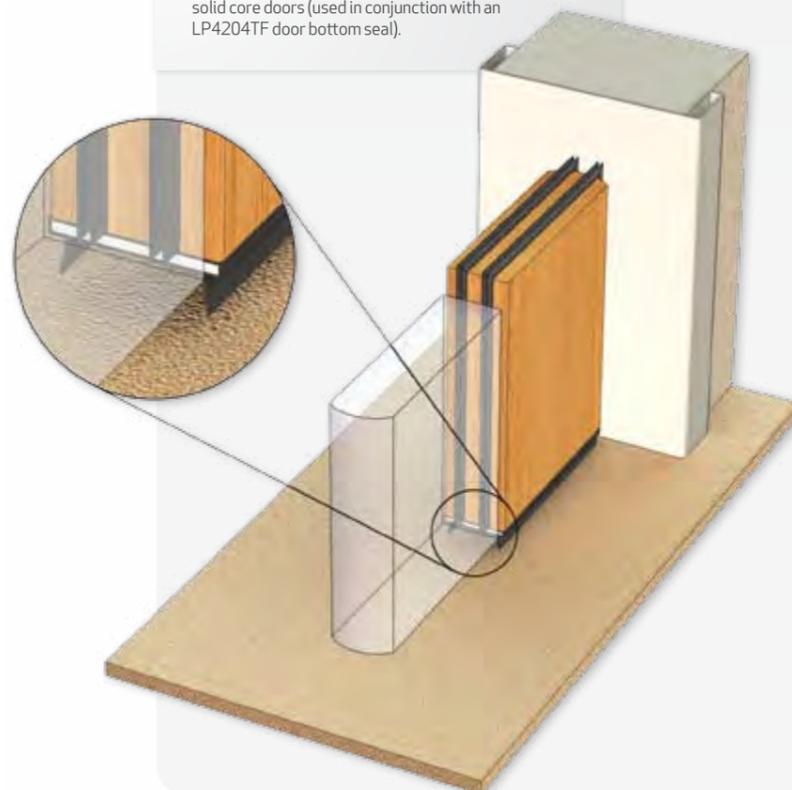


IS0511

Right: IS0511 rebated into perimeter of timber door frame.



Right: Twin rows of IS0511 seal shown fitted to the perimeter of double-swing, pivot-action solid core doors (used in conjunction with an LP4204TF door bottom seal).



Silicone Rubber Perimeter Seals

IS0602si



A flexible silicone wipe seal that is kerf mounted into pre-fabricated aluminium doors and window perimeter sections. The high performance silicone rubber seal is simply pressed into a pre-fabricated groove in the frame rebate or door edge. (Please check with the aluminium door fabricator for compatibility of this seal section).

Gap size

- Min. 3mm / max. 5mm

Standard lengths

- 50 metre coils
- 100 metre coils

Standard colours

- Grey

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3

IS1002si



A durable silicone wipe seal, that is kerf mounted into door rebates or aluminium door stiles. The high performance silicone rubber seal is simply pressed into a nom. 3mm (wide) x 5mm (deep) groove (or saw cut) in the frame rebate or door edge.

Gap size

- Min. 3mm / max. 5mm

Standard lengths

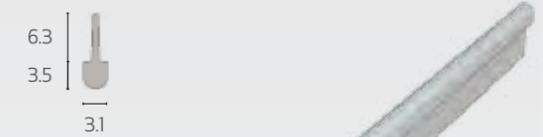
- 50 metre coils
- 100 metre coils

Standard colours

- Grey

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors



IS0602si



IS1002si



Silicone Rubber Perimeter Seals

IS1005si, IS1006si, IS1007si, IS1008si



Durable, bulb-type silicone compression seals, which can be easily kerf mounted into the rebates of timber door and window frames. These provide ideal smoke and acoustic seals for single action doors. These silicone compression seals can be fitted into a nominal 3mm wide kerf of sufficient depth.

Gap size

- IS1005si: Required Door Clearance 3-5mm
- IS1006si: Required Door Clearance 3-6mm
- IS1007si: Required Door Clearance 4-7mm
- IS1008si: Required Door Clearance 5-8mm

Standard lengths

- 50 metre coils
- 100 metre coils

Standard colours

- Black
- Grey
- (Dark brown available to special order)



Right: IS1006si: silicone compression seals utilised on stiles of solid timber bi-fold doors. (Shown with IS5111si sweep seals fitted top and bottom).



IS1005si



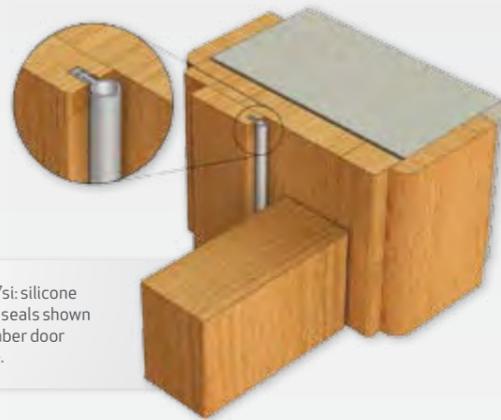
IS1006si



IS1007si



IS1008si



Right: IS1007si: silicone compression seals shown fitted to a timber door frame rebate.

Silicone Rubber Perimeter Seals

IS1046si



A durable silicone compression seal with self-adhesive backing mounted against door stops around perimeters of single swing doors. This bulb version has reinforced ribs to provide extra strength in service.

NB. When adhering to frames, contact surfaces must be clean.

Gap size

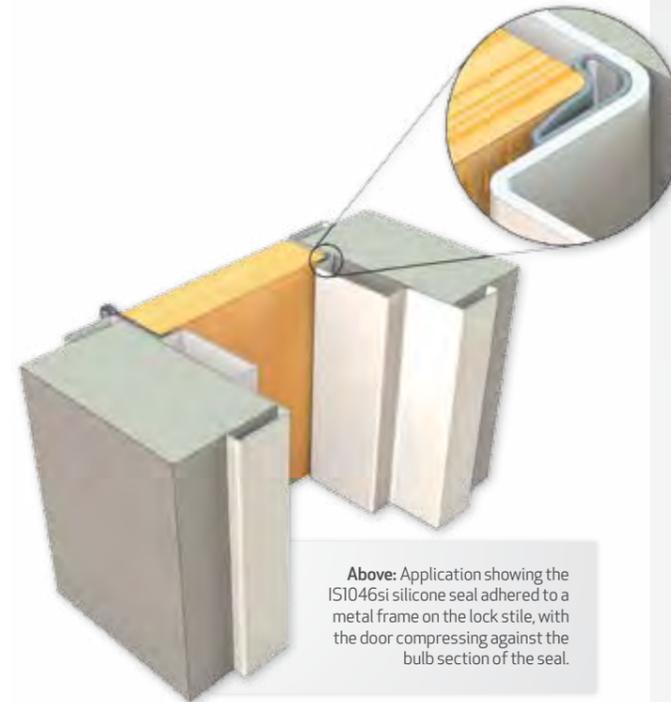
- Min. 3mm / max. 5mm

Standard lengths

- 50 metre coils

Standard colours

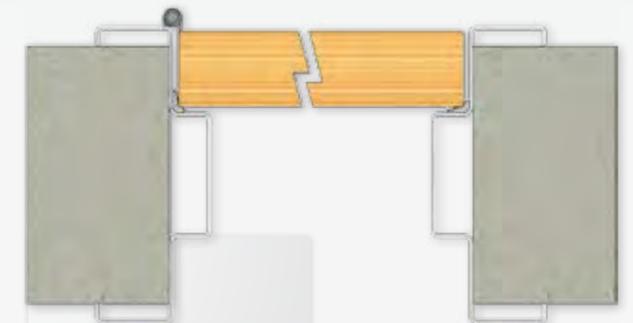
- Black
- Grey
- (Dark brown available to special order)



Above: Application showing the IS1046si silicone seal adhered to a metal frame on the lock stile, with the door compressing against the seal bulb.



IS1046si



Above: The IS1046si seal is adhered to a clean frame with the bulb section of the seal reversed on the lock and hinge stiles to enable the door to compress against the seal bulb. The seal is fitted to the head of the frame as per the lock stile.

10000

Threshold (Door Bottom) Seals

3000 Series

Ideal for sealing the gap between the door bottom and floor — a commonly overlooked area that is essential to achieve containment of weather, smoke, sound and energy.

Door Bottom Seals

IS3015si, IS3016si



The IS3015si and IS3016si seals are cleverly concealed in a rebated groove in the meeting stile or bottom of the door leaf (respectively) for single and double swing timber doors. These seals may be surface mounted or rebated into doors to allow for depth adjustment as required. Both seals can provide effective containment against medium and ambient temperature smoke, sound, dust, light, weather and vermin.

Gap size

- IS3015si: Min. 3mm / max. 8mm
- IS3016si: Min. 5mm / max. 9mm
(allowing for the aluminium carrier to be recessed).

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

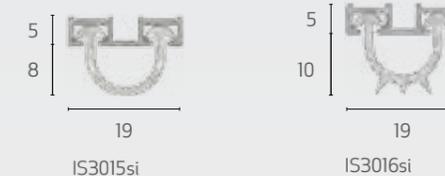
- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket

Fixing

- Fixing screws are supplied and fixing holes are pre-drilled
- Push-fit gasket conceals fixings and allows for quick and easy installation

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors
(when fitted to compliant door leaves)

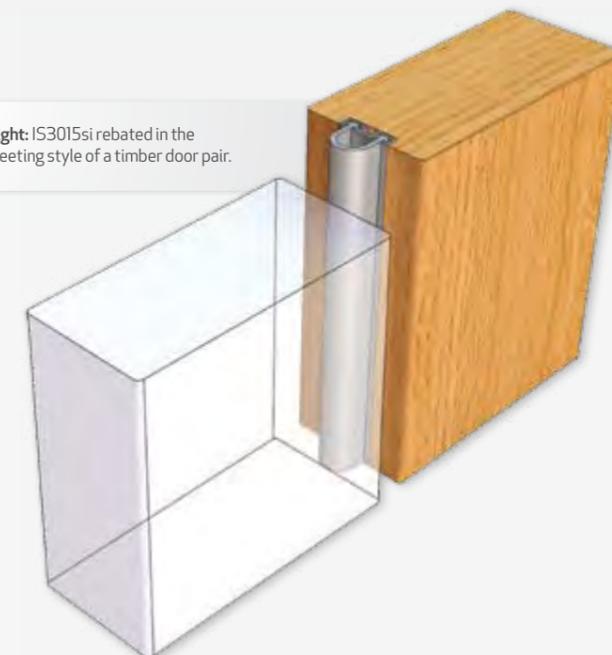


Right: IS3016si seal rebated to the underside of a door bottom.

Used in conjunction with an IS4010 threshold plate.



Right: IS3015si rebated in the meeting stile of a timber door pair.



3000

Door Bottom Seals

IS3017si



The IS3017si is a sweep action blade seal with high performance silicone rubber fins, which can be fitted to door bottoms or perimeters of single and double action doors. This seal may be surface mounted or rebated into doors to allow for depth adjustment as required.

This seal provides effective containment against dust, light, weather and vermin, and is an ideal smoke seal for pivot door assemblies.

Gap size

- Min. 12mm / max.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

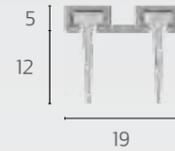
- Silver anodised aluminium section with grey silicone fins
- Bronze anodised aluminium section with black silicone fins

Fixing

- Timber fixing screws are supplied with detailed fitting instructions
- Fixing holes are pre-drilled to allow the seals to be positioned accurately

Approval/s

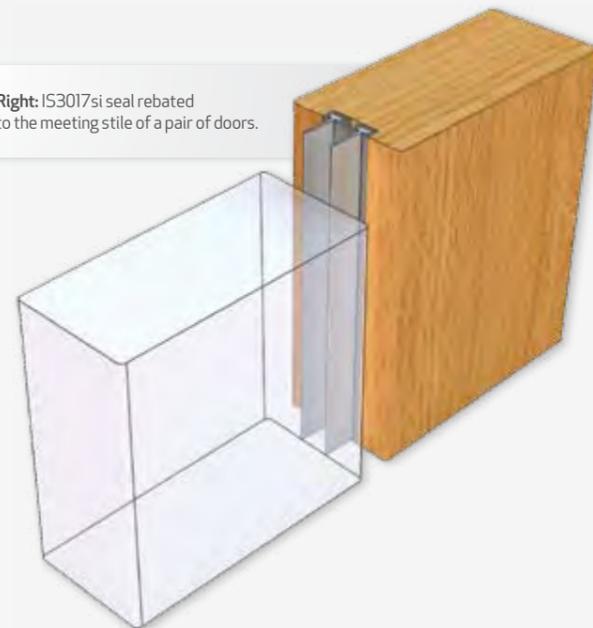
- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)



IS3017si



Right: IS3017si rebated to the underside of a door bottom (combined with an IS4120 threshold plate).



Right: IS3017si seal rebated to the meeting stile of a pair of doors.

Door Bottom Seals

IS3020si, IS3021si, IS3022si



The IS3020si and IS3021si (finned) seals can be fitted to door bottoms or meeting stiles of single and double action doors. They can also be utilised for door bottoms on roller type doors.

Both seals can provide effective containment against medium and ambient temperature smoke, sound, dust, light, weather and vermin.

The IS3022si is a sweep action blade seal with high performance silicone rubber fins, which can be fitted to door bottoms or perimeters of single and double action doors. This seal can provide effective containment against dust, light, weather and vermin, and is an ideal smoke seal for pivot door assemblies.

Gap size

- IS3020si: Min. 15mm / max. 19mm
- IS3021si: Min. 20mm / max. 24mm
- IS3022si: Min. 13mm / max. 17mm (allowing to be surface-mounted onto the door).

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

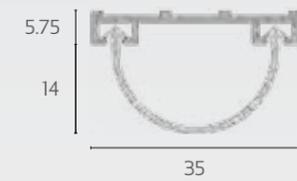
- Silver anodised aluminium with grey silicone gasket/s
- Bronze anodised aluminium with black silicone gasket/s

Fixing

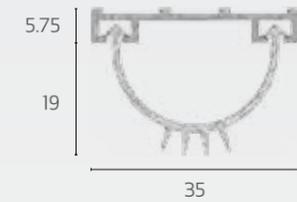
- Fixing screws are supplied with detailed fitting instructions
- Fixing holes are pre-drilled to allow the seals to be positioned accurately.

Approval/s

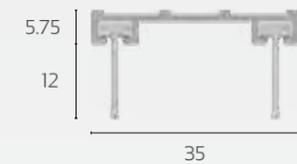
- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)



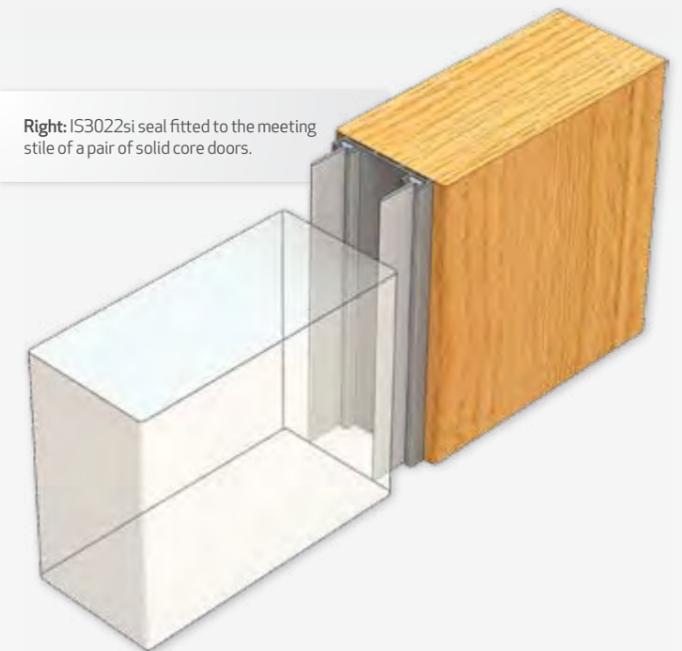
IS3020si



IS3021si



IS3022si



Right: IS3022si seal fitted to the meeting stile of a pair of solid core doors.



Right: IS3021si seal surface-mounted to the underside of a door bottom. Shown with an IS4010 threshold plate.

Door Bottom Seals

IS3070si



The IS3070si weather resistant door bottom seal can be fitted without removing the door, and can be used with alternative threshold plates. This seal provides effective containment against cold smoke, sound, dust, light, insects and weather. The aesthetic cover strip ensures there is no visible screw line.

The IS3100si set incorporates an IS3070si door bottom seal plus an IS4100si threshold plate.

Gap size

- Min. 12mm / max. 20mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

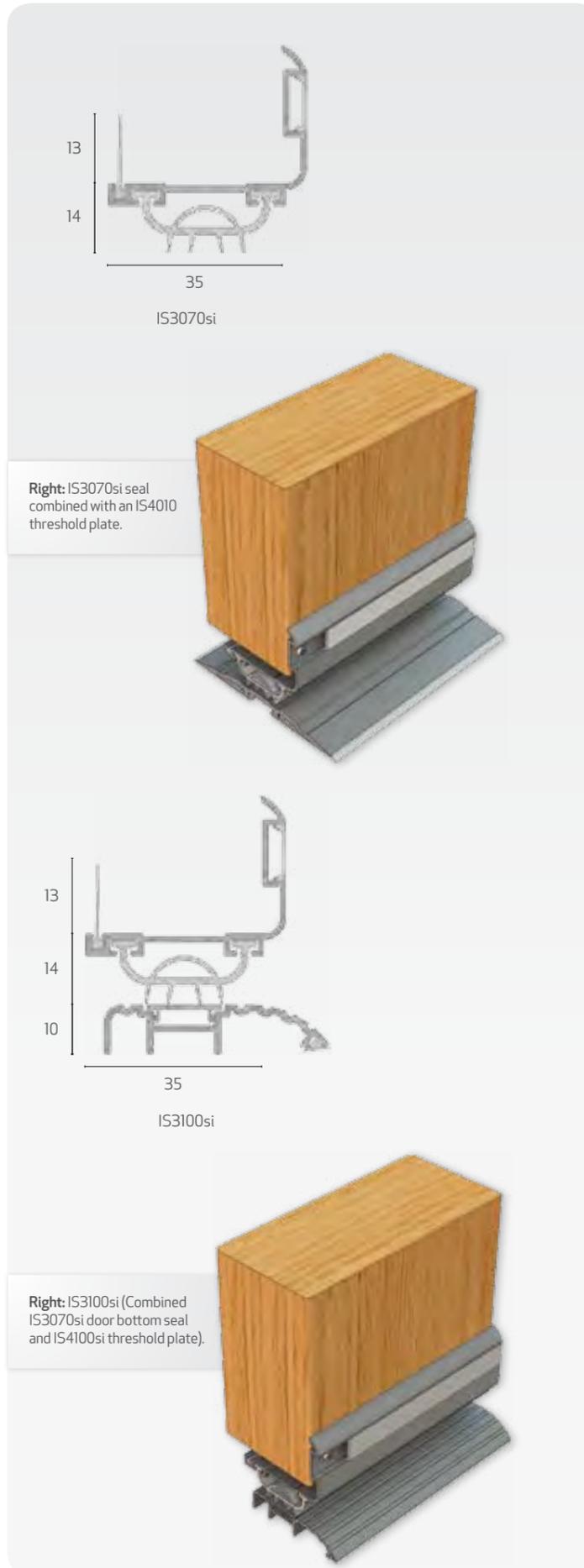
- Silver anodised aluminium carrier with grey silicone gasket and cover strip
- Bronze anodised aluminium carrier with black silicone gasket and cover strip

Fixing

- Fixing screws are supplied with detailed fitting instructions
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)



Door Bottom Seals

IS3080si



The IS3080si is a sweep action blade seal with a high performance silicone rubber fin, which can be fitted to door bottoms of outward opening doors. This seal can also be utilised as a meeting stile seal for pairs of doors. This seal can provide effective containment against ambient and medium temperature smoke, sound, dust, light, insects and weather.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium section with grey silicone gasket and grey cover strip
- Bronze anodised aluminium section with black silicone gasket and black cover strip

Fixing

- Fixing screws are supplied with detailed fitting instructions
- Fixing holes are pre-drilled and slotted to allow the seals to be easily adjusted and positioned accurately on the door to suit the appropriate gap size

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)
- Acoustic ratings to AS1191 and ISO140.3



30000

Threshold Plates and Ramps

4000 Series

Threshold plates are fitted to the sill under doors providing an optimum sealing surface for door bottom seals.

Available in aluminium (and stainless steel options), threshold plates offer an elevated sealing plane, providing solutions to excessive resistance often encountered with carpeted, uneven or sloping floors.

Widths from 25mm to 150mm.

Threshold Plates

IS4010, IS4015, IS4020, IS4025



These heavy duty, low profile threshold plates are used in conjunction with other Kilargo door bottom seals to help prevent rain infiltration, draught and smoke penetration. Their 6mm low profile design ensures compliance with the 'access for people with disability' requirements, AS1428/1 and BCA D3, particularly for wheelchair traffic.

These threshold plates have a durable, anodised finish and are supplied with PVC bedding pads to help eliminate vibration, noise and moisture ingress.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless Steel fixing screws and plugs are supplied
- Alternatively, fasten with builder's adhesive for concealed fixing

Approval/s

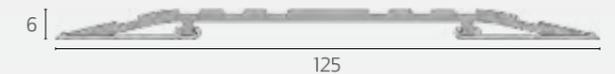
- Fire tested in accordance with AS1530 Part 4
- Complies with AS1428/1 (Design for access and mobility)
- Conforms to Building Code Australia BCA D3 (Access for people with disabilities)



IS4010



IS4015



IS4020



IS4025

4000

Threshold Plates

IS4030, IS4035, IS4040, IS4045



These heavy duty, threshold plates are used in conjunction with other Kilargo door bottom seals to help prevent rain infiltration, draught and smoke penetration.

These threshold plates have a durable, anodised finish and are supplied with PVC bedding feet to help eliminate vibration, noise and moisture ingress.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3250mm

Standard colours

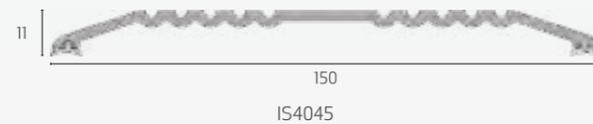
- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless Steel fixing screws and plugs are supplied
- Alternatively, fasten with builder's adhesive for concealed fixing

Approval/s

- Fire tested in accordance with AS1530 Part 4



Threshold Plates and Ramps

IS4050s, IS4055s, IS4060s, IS4065s



These stainless steel threshold plates are used in conjunction with other Kilargo door bottom seals to help prevent rain infiltration, draught and smoke penetration.

These durable Grade 304 stainless steel threshold plates have a No. 4 brush finish and are impervious to most chemicals, solvents, cleaning fluids and disinfectants. They are suitable for external environments.

The IS4055S and IS4060S have a low profile design (6mm height), complying with the 'access for people with disability' requirements of AS1428/1 and BCA D3.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3250mm

Standard colours

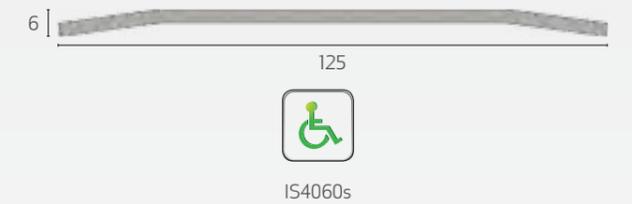
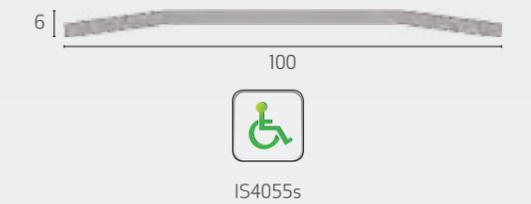
- Grade 304 stainless steel with No.4 brush finish

Fixing

- Appropriate stainless steel fixing screws and plugs supplied

Approval/s

- Fire tested in accordance with AS1530 Part 4



40000

Threshold Plates and Ramps

IS4070, IS4075, IS4077, IS4078si



These threshold ramps are for use in buildings where wheelchairs and trolleys are used or to compensate for uneven floors. Their rate of incline ensures compliance with the 'access for people with disability' requirement, particularly for wheelchair traffic.

These threshold ramps have a durable, anodised finish and are supplied with PVC bedding pads to help eliminate vibration, noise and moisture ingress.

Gradients

- IS4070 1:8
- IS4075 1:12
- IS4077 1:8
- IS4078si 1:8

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

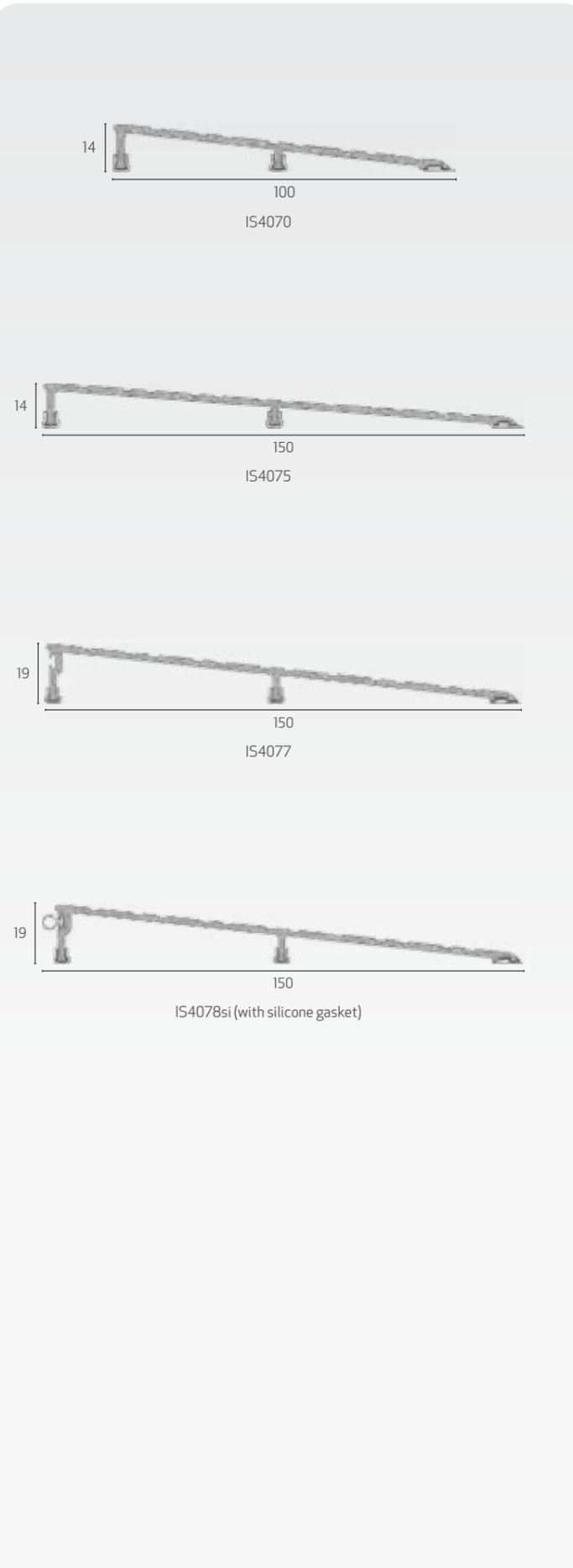
- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless steel fixing screws and plugs supplied
- These extrusions can be positioned back-to-back to provide a two-way threshold ramp

Approval/s

- Fire tested in accordance with AS1530 Part 4
- Complies with AS1428/1 (Design for access and mobility)
- Conforms to Building Code Australia BCA D3 (Access for people with disabilities)



Threshold Plates and Ramps

IS4080, IS4100



The IS4080 threshold ramp is designed for use in buildings as a door sill, providing a neat detail between internal carpet or tiles at doorways. This seal is supplied with PVC bedding pads to assist in eliminating vibration and noise.

The IS4100 threshold plate is used to prevent rain, draughts, light and vermin penetration. It is used in conjunction with the IS3070si door bottom seal. This threshold plate has a durable, anodised finish with a snap-fit cover strip for concealed fixings. It is supplied with a vinyl insert to help prevent moisture ingress under the threshold.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless steel fixing screws and plugs supplied
- Fire tested in accordance with AS1530 Part 4

IS4110, IS4120, IS4130



The IS4110, IS4120 and IS4130 threshold plates are used in conjunction with other Kilargo door bottom seals to help prevent rain, draughts, and smoke penetration. Their low profile ensures compliance with the 'access for people with disability' requirements, particularly for wheelchair traffic.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

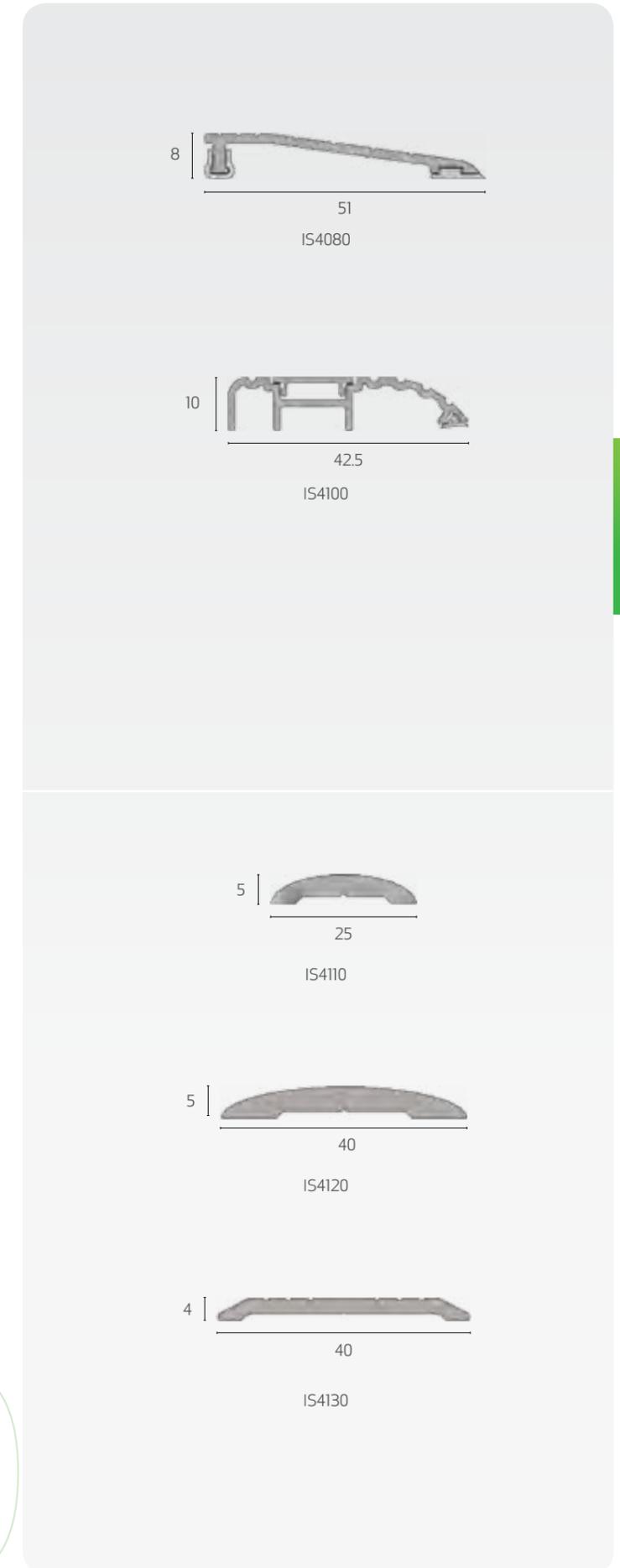
- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless steel fixing screws and plugs supplied
- Alternatively, fasten with builder's adhesive for concealed fixing

Approval/s

- Fire tested in accordance with AS1530 Part 4
- Complies with AS1428/1 (Design for access and mobility)
- Conforms to Building Code Australia BCA D3 (Access for people with disabilities)



Threshold Plates and Ramps

IS4135

The IS4135 threshold plate/stair nosing is suitable for uneven or raised door sills to help prevent rain, draughts, and light penetration, when used in conjunction with a Kilargo door bottom seal.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless steel fixing screws and plugs supplied
- Alternatively, fasten with builder's adhesive for concealed fixing

IS4140



The IS4140 threshold plate is used when a flat sealing surface is required where carpet runs under the door. It is used in conjunction with other Kilargo door bottom seals to help prevent draught, insect and smoke penetration.

Their low profile ensures compliance with the 'access for people with disability' requirements, particularly for wheelchair traffic.

The durable, anodised profile has a snap-fit cover strip for concealed fixings.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium
- Bronze anodised aluminium

Fixing

- Stainless steel fixing screws and plugs supplied

Approval/s

- Fire tested in accordance with AS1530 Part 4



Threshold Plates and Ramps

IS4220si



The IS4220si threshold plate is suitable for outward opening doors to prevent rain, draughts, light and noise penetration. The high performance silicone rubber compression seal, combined with the vinyl bedding pads, help provide an effective acoustic barrier.

May be used with a panic type exit device (supplied to suit by others).

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium with grey silicone rubber gasket
- Bronze anodised aluminium with black silicone rubber gasket

Fixing

- Stainless Steel fixing screws and plugs are supplied

Approval/s

- Fire tested in accordance with AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3 (when used in conjunction with an approved Kilargo perimeter seal — please contact us for further details)



40000

Sweep Action Seals

5000 Series

These nylon brush filament and silicone blade type seals provide alternative sealing solutions to many difficult-to-seal door configurations, such as double swing leaves, sliding, revolving or roller shutter doors.

Sweep Action Seals

IS5110, IS5115, IS5120, IS5130



These brush seals are designed to be used around the head & jambs, door bottom and meeting stiles of single or double swing doors, revolving, tilt-up and roller doors. These seals help protect against draught and dust, insects and weather penetration.

The slim-line carriers are aesthetically angled to avoid dust build-up.

The black nylon brush filaments, which are locked into a galvanized steel strip, are available fitted to an aluminium carrier, or as brush only.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

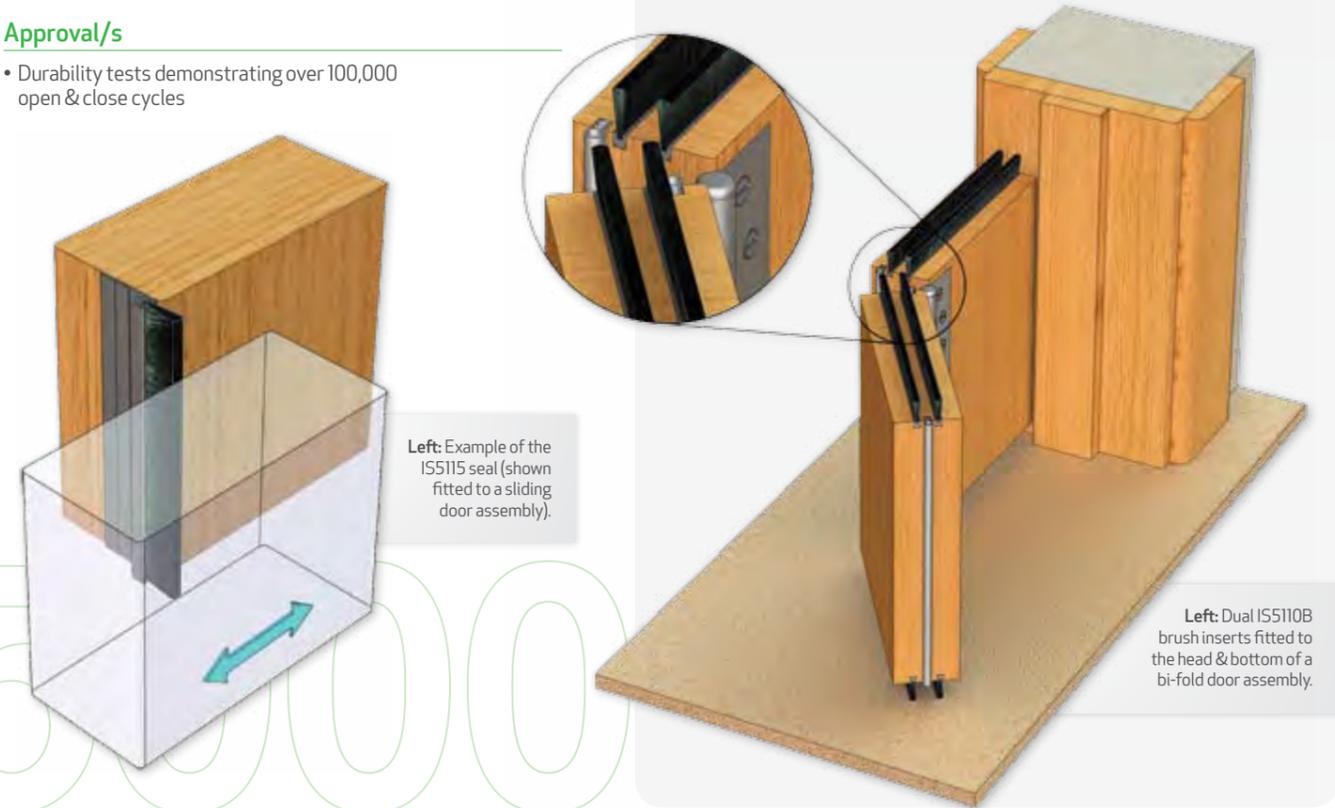
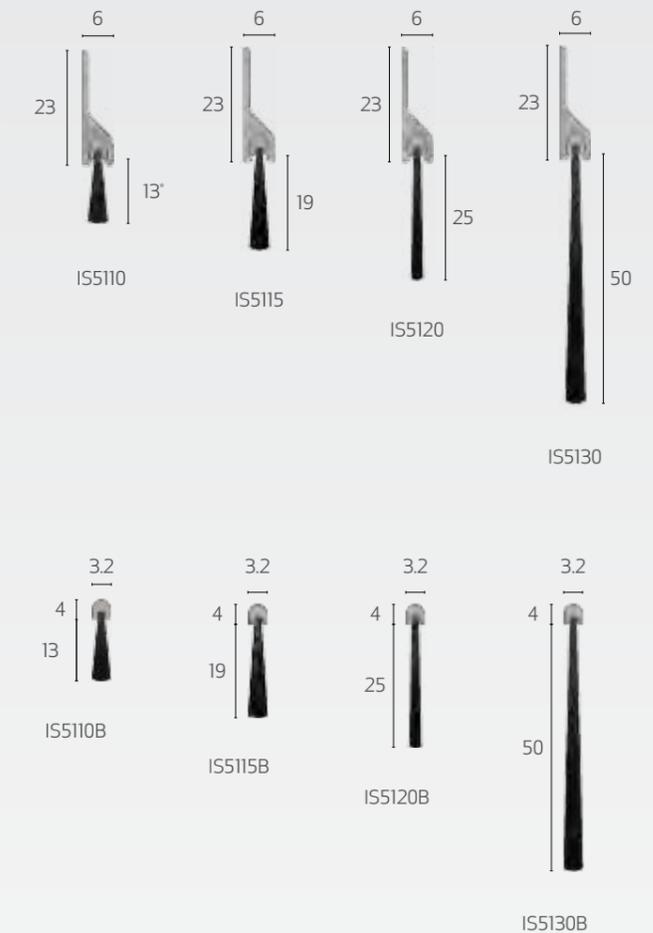
- Silver anodised aluminium carrier with black nylon brush
- Bronze anodised aluminium carrier with black nylon brush

Fixing

- Brush seals (within carriers) can be screw-fixed or self-adhered to the desired surface
- Fixing screws and aggressive backing tape are supplied
- Brush only seals can be mortised into a nominal 3mm (w) x 4mm (d) groove (with the length slightly kinked for an interference fit)

Approval/s

- Durability tests demonstrating over 100,000 open & close cycles



Left: Example of the IS5115 seal (shown fitted to a sliding door assembly).

Left: Dual IS5110B brush inserts fitted to the head & bottom of a bi-fold door assembly.

Sweep Action Seals

IS5111si, IS5116si, IS5121si



These silicone sweep seals are designed to be used around the head and jambs, door bottom and meeting stiles of single or double swing doors, revolving, tilt-up and roller doors. These seals help protect against ambient and medium temperature smoke, draught and dust, and weather penetration. The slim line carriers are aesthetically angled to avoid dust build-up. These seals provide excellent sealing solutions for pivot action smoke doors and clean room applications.

Gap size

- IS5111si: Min. 9mm / max. 12mm
- IS5116si: Min. 12mm / max. 19mm
- IS5121si: Min. 19mm / max. 24mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium carrier with grey silicone fin
- Bronze anodised aluminium carrier with black silicone fin

Fixing

- Silicone sweep seals (within carriers) can be screw-fixed or self-adhered to the desired surface
- Fixing screws and aggressive backing tape are supplied

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)
- IS5111si: Medium temperature smoke leakage tests to AS1530 Part 7



Right: IS5111si seal fitted to the bottom of a timber door. (Shown in conjunction with an IS4130 threshold plate).

Right: IS5116si fitted to single or double action aluminium framed glazed door bottoms.

Sweep Action Seals

IS5160H, IS5175A



The IS5160H seal is designed with a 90° angle aluminium carrier and is used to prevent draught and dust penetration on sliding doors.

The IS5175A seal is designed with a 45° angle aluminium carrier and is used to prevent draught and dust penetration around the perimeter of roller and tilt-up doors.

The angled aluminium carriers can be fitted with either 13mm, 19mm or 25mm black nylon brush. (50mm brush is also available upon request).

Gap size

- IS5160H: Min. 23mm / max. 29mm
- IS5175A: Min. 15mm / max. 21mm (Dependent on brush size utilised.)

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm (Brush lengths to be confirmed upon placement of order.)

Standard colours

- Silver anodised aluminium carrier with black nylon brush
- Bronze anodised aluminium carrier with black nylon brush

Fixing

- Brush seals (within carriers) can be screw fixed or self-adhered to the desired surface
- Fixing screws and aggressive backing tape are supplied

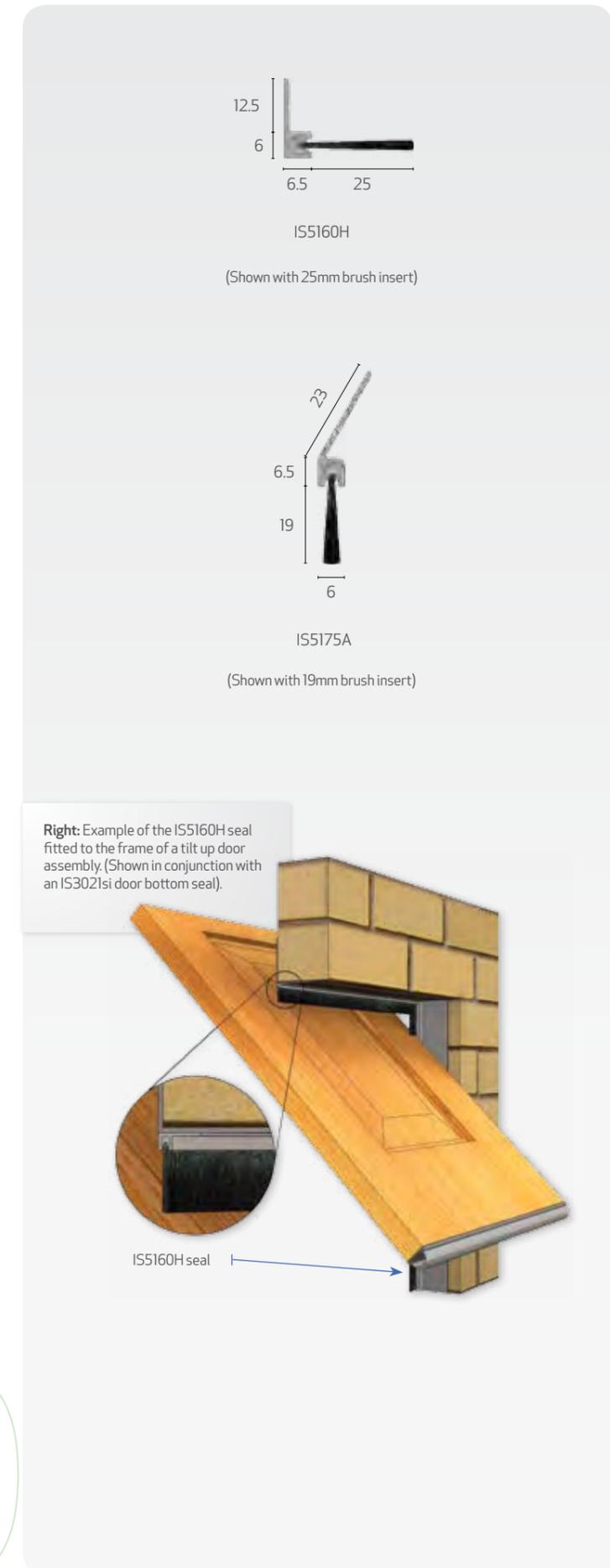
Approval/s

- Durability tests demonstrating over 100,000 open and close cycles



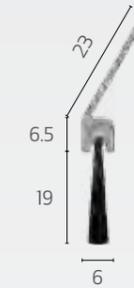
Left: IS5175A angled brush seal fitted to the frame of a roller door assembly. (Shown in conjunction with an IS3020si door bottom seal).

IS5175A seal



IS5160H

(Shown with 25mm brush insert)



IS5175A

(Shown with 19mm brush insert)

Right: Example of the IS5160H seal fitted to the frame of a tilt up door assembly. (Shown in conjunction with an IS3021si door bottom seal).



IS5160H seal

Sweep Action Seals

IS5161Hsi, IS5176Asi



The IS5161Hsi and IS5176A seals are both used to prevent ambient/medium temperature smoke, draught and dust penetration. The IS5161Hsi is designed with a 90° angle aluminium carrier for use on sliding doors while the IS5176Asi seal is designed with a 45° angle aluminium carrier and is used around the perimeter of roller and tilt-up doors. The angled aluminium carriers can be fitted with either a 13mm, 19mm or 25mm silicone fin.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm (Fin lengths to be confirmed upon placement of order.)

Standard colours

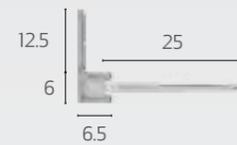
- Silver anodised aluminium carrier with grey silicone fin
- Bronze anodised aluminium carrier with black silicone fin

Fixing

- Silicone sweep seals (within carriers) can be screw-fixed or self-adhered to the desired surface
- Fixing screws and aggressive backing tape are supplied

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)



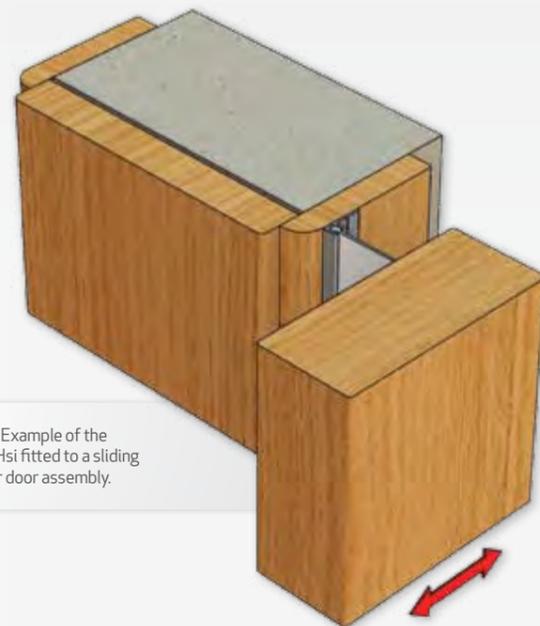
IS5161Hsi

(Shown with 25mm silicone fin insert)



IS5176Asi

(Shown with 13mm silicone fin insert)



Right: Example of the IS5161Hsi fitted to a sliding timber door assembly.

Magnetic Seals

6000 Series

A range of perimeter seals fitted with gaskets incorporating a strip magnet that, when attracted to opposing magnetic surfaces, extends to form a positive seal.

Magnetic Seals

IS6015



The IS6015 magnetic seal is designed to be fitted to the head and jambs of metal clad door perimeters. Can be used in lieu of door stops.

This seal has sufficient magnetic strength so that latches may not be required.

Note: When ordering this seal for meeting stile applications, please specify the seals as PAIRS. This will ensure the correct orientation of the magnets, as correct polarity alignment is critical to this function.

Standard lengths

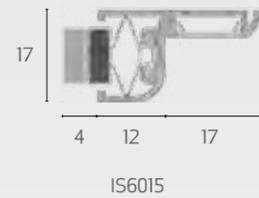
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

- Silver anodised aluminium with grey gasket and cover strip
- Bronze anodised aluminium with black gasket and cover strip

Approval/s

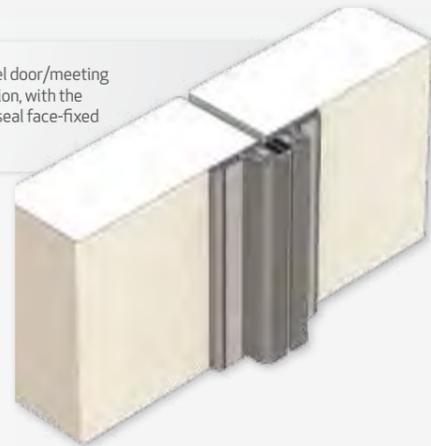
- Acoustic ratings to AS1191 and ISO140.3



Right: Hinged (or pivoted) steel door/single swing application, with IS6015 magnetic seal acting as door stop whilst providing an effective sealing barrier.



Right: Sliding steel door/meeting pair, stile application, with the IS6015 magnetic seal face-fixed to each door leaf.



Magnetic Seals

IS6020



The IS6020 magnetic seal is designed to be fitted to existing timber door leaves on double swing doors and sliding door meeting stiles.

This seal has sufficient magnetic strength that latches may not be required. The aluminium carrier is toothed and splayed to lock into a 16.5mm x 12mm groove to prevent any 'creeping'.

Standard lengths

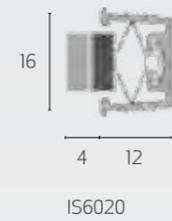
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

- Silver anodised aluminium with grey magnetic gasket
- Bronze anodised aluminium with black magnetic gasket

Approval/s

- Acoustic ratings to AS1191 and ISO140.3



Right: Hinged or pivoted double timber door/single swing application, with IS6020 magnetic seal recessed in each leaf rebate.



Right: Sliding timber door application, with IS6020 magnetic seal recessed in each leaf stile.



60000

Magnetic Seals

IS6030



The IS6030 compact magnetic seal is designed to be fitted to the head and jambs of metal clad door perimeters in lieu of door stops.

This refrigeration-type magnetic seal has sufficient magnetic strength that latches may not be required.

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

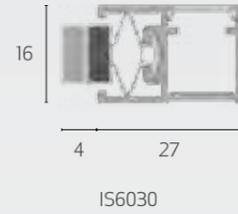
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

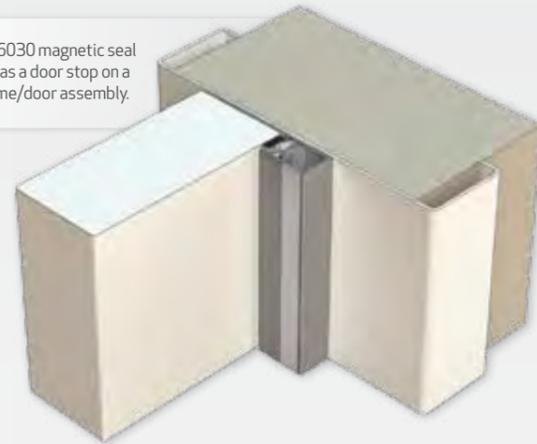
- Silver anodised aluminium with grey gasket and cover strip
- Bronze anodised aluminium with black gasket and cover strip

Approval/s

- Acoustic ratings to AS1191 and ISO140.3



Right: IS6030 magnetic seal installed as a door stop on a steel frame/door assembly.



Perimeter Seals

7000 Series

A comprehensive range of perimeter seals designed to fit around the head, jambs and meeting stiles of doors, providing an effective barrier to noise, smoke, weather and draughts.

Perimeter Seals

IS7010si, IS7020si, IS7021si



The IS7010si, IS7020si and IS7021si are aesthetically designed, slim-line compression type perimeter seals for installation around the head and jambs of single swing doors. They are proven to be effective acoustic, smoke, light, dust and weather seals.

The aluminium carrier is pre-drilled and slotted for adjustable retrofit installation. The easy to install, "snap-on", anodised aluminium (or coloured PVC) cover plates provide concealed fixings.

Gap size

- Min. 0mm / max. 6mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
 - 2250mm
- Also available in individual lengths:
- IS7010si & IS7020si: 250mm increments from 1000mm to 5000mm
 - IS7021si: 250mm increments from 1000mm to 3000mm

Standard colours

- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket
- IS7021si: Architectural, colour-coordinated snap-on cover plates available in silver, white, black or cream

Fixing

- When fixing IS7020si and IS7021si to rebated frames of single doors, specify a long back set door latch

Approval/s

- IS7010si and IS7020si Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3



IS7010si



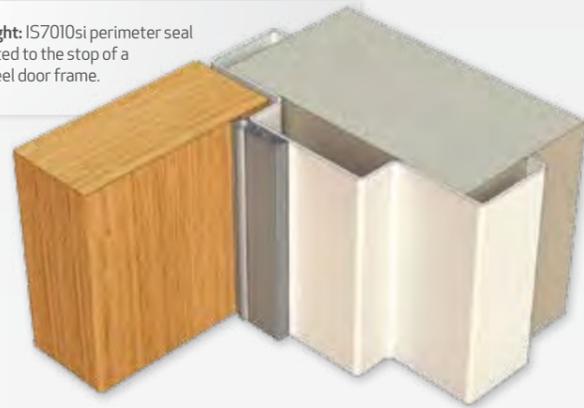
IS7020si



IS7021si

IS7021si: Architectural PVC cover plates available in silver, white, black or cream colour.

Right: IS7010si perimeter seal fitted to the stop of a steel door frame.



Right: IS7020si perimeter seal fitted to the stop of a steel door frame.



Perimeter Seals

IS7025si



The IS7025si is a popular slim-line, door frame perimeter seal, designed to be fitted to an existing door stop, around the head and jambs of single swing doors.

The aluminium carrier has fixing holes pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A decorative cover strip is supplied to conceal these fixings.

Gap size

- Min. 0mm / max. 6mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

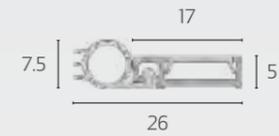
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium with grey silicone gasket and grey cover strip
- Bronze anodised aluminium with black silicone gasket and black cover strip

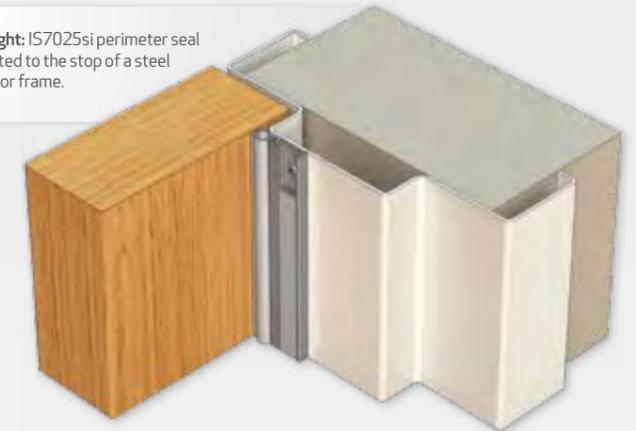
Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3



IS7025si

Right: IS7025si perimeter seal fitted to the stop of a steel door frame.



70000

Meeting Stile/ Astragal Seals

IS7060si



An astragal seal used with either plain or rebated meeting stiles on single swing, double doors (where only one door leaf is active). It provides an excellent acoustic, smoke, light, dust and weather seal.

The thin fixing leg allows this seal to be face fixed to the door (no rebating required). This leg can also be checked to make way for locks and latches.

Gap size

- Min. 2.5mm / max. 10mm

Standard lengths

- 2250mm
- 3000mm
- Also available in: 250mm increments from 2000mm to 3500mm

Standard colours

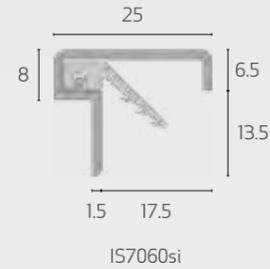
- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket

Fixing

- A door sequence selector should be considered unless one leaf is intended to be fixed

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3



Right: An IS7060si meeting stile seal shown utilised on a plain pair of doors (a door sequence selector would be required).



Right: An IS7060si meeting stile seal shown utilised on a pair of rebated doors (a door sequence selector would be required).



Meeting Stile/ Astragal Seals

IS7061



An astragal seal used with either plain or rebated meeting stiles on single swing, double doors (where only one door leaf is active). It provides an excellent acoustic, smoke, light, dust and weather seal.

This seal combines with proven smoke and acoustic performance, sealing on two faces of the door surface. The thin fixing leg allows this seal to be face fixed to the door (no rebating required). This leg can also be checked to make way for locks and latches.

Gap size

- Min. 2.5mm / max. 6mm

Standard lengths

- 2250mm
- 3000mm
- Also available in: 250mm increments from 2000mm to 3500mm

Standard colours

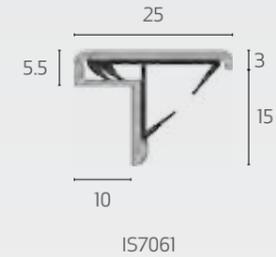
- Silver anodised aluminium with black sealing blades
- Bronze anodised aluminium with black sealing blades

Fixing

- A door sequence selector should be considered unless one leaf is intended to be fixed

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors
- Has been tested on select proprietary smoke door systems in accordance with AS1530.7
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate 100,000 open and close cycles



Right: An IS7061 meeting stile seal shown utilised on a pair of rebated doors. (Note: A door sequence selector would be required).



7000

Meeting Stile/ Astragal Seals

IS7062

A heavy duty astragal seal used with either plain or rebated meeting stiles on single swing, double doors (where only one door leaf is active). It provides privacy and security along the length of the meeting stile.

The mounting leg is drilled and countersunk to allow for left and right handed installation.

Standard lengths

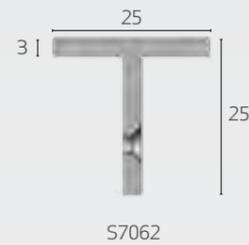
- 2250mm
- 2500mm
- 3000mm

Standard colours

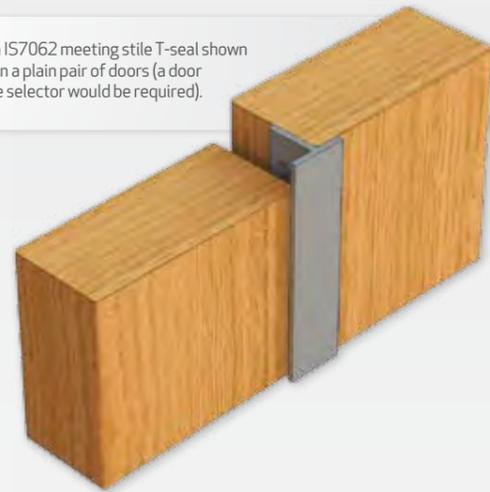
- Silver anodised aluminium finish

Fixing

- A door sequence selector should be considered unless one leaf is intended to be fixed



Right: An IS7062 meeting stile T-seal shown utilised on a plain pair of doors (a door sequence selector would be required).



Meeting Stile/ Astragal Seals

IS7071si



An astragal seal designed to be fitted to plain or rebated meeting stiles of single swing and double swing, double doors. Two IS7071si seals can be installed onto one stile, allowing a space for a latch between the seals if required. These seals can be surface mounted or rebated.

It provides an excellent acoustic, smoke, light, dust and weather seal. IS7071si can be utilised as a perimeter seal around the head and jambs of single and double doors.

Gap size

- Surface-mounted: min. 5mm / max. 7mm
- Rebated application: min. 2mm / max. 4mm

Standard lengths

- 2250mm
- 3000mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

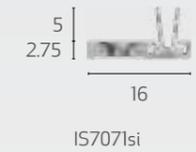
- Silver anodised aluminium with grey silicone twin-fin gasket.
- Bronze anodised aluminium with black silicone twin-fin gasket

Fixing

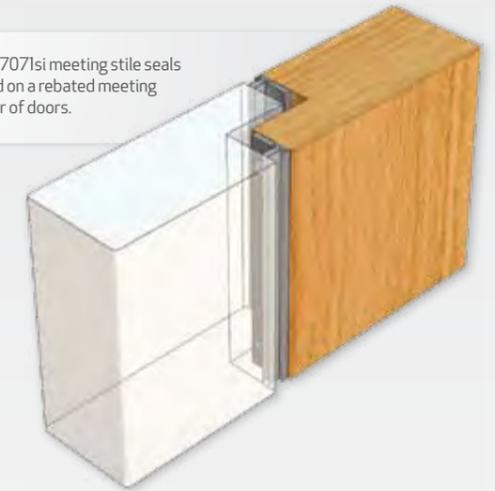
- Fixing screws are supplied
- Fixing holes are pre-drilled and countersunk
- A door sequence selector should be considered unless one leaf is intended to be fixed

Approval/s

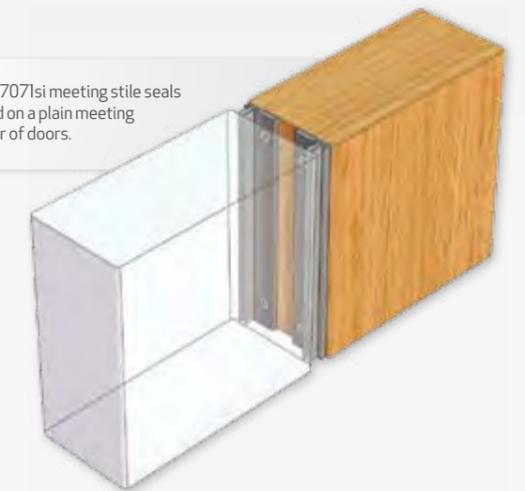
- Conforms to BCA Specification C3.4 for smoke doors (when fitted to compliant door leaves)
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate 100,000 open and close cycles



Right: 2 x IS7071si meeting stile seals shown fitted on a rebated meeting stile of a pair of doors.



Right: 2 x IS7071si meeting stile seals shown fitted on a plain meeting stile of a pair of doors.



70000

Perimeter Seals

IS7080, IS7080si



The IS7080 and IS7080si are aesthetically designed, compact perimeter seals, proven to be effective acoustic, cold smoke, light and weather seals. Both can be installed in lieu of a door stop on both steel and timber door frames (where frames are non fire-rated). The fixing holes are pre-drilled and slotted to allow the seal to be adjusted and positioned accurately. A decorative cover strip is supplied to conceal fixings.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 10mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

IS7080 standard colours

- Silver anodised aluminium with black gasket and grey cover strip
- Bronze anodised aluminium with black gasket and black cover strip

IS7080si standard colours

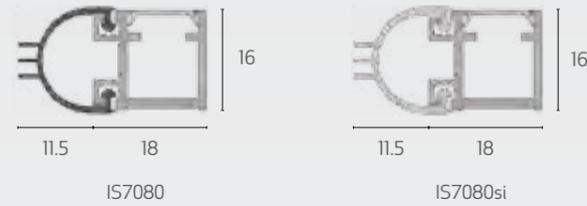
- Silver anodised aluminium with grey silicone gasket and grey cover strip
- Bronze anodised aluminium with black silicone gasket and black cover strip

Fixing

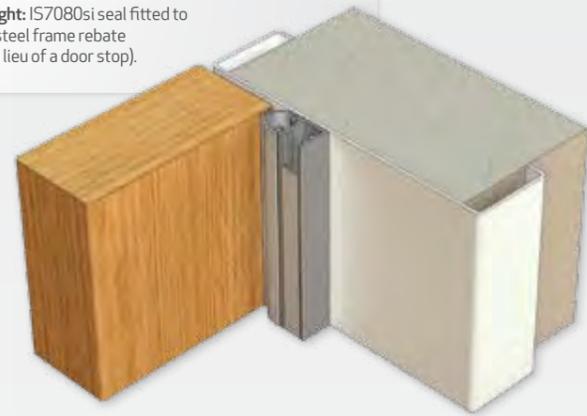
- When fixing IS7080 and IS7080si to rebated frames of single doors, specify a long back set door latch

Approval/s

- IS7080si Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3



Right: IS7080si seal fitted to a steel frame rebate (in lieu of a door stop).



Right: IS7080si seal shown fitted to the door stop of a metal frame.



Perimeter Seals

IS7085si



The IS7085si is an aesthetic compact perimeter seal, specifically designed for 'clean room' applications. The highly resilient, smooth silicone rubber gasket allows for easy cleaning and assists in preventing the movement of air borne contaminants, whilst also contributing to reduced sound transmission.

This seal can be used to replace the door stop on both steel and timber door frames, where frames are non fire-rated.

Gap size

- Min. 0mm / max. 7mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

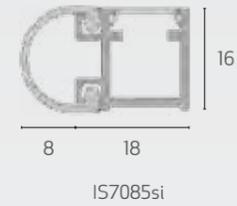
- Silver anodised aluminium with grey silicone gasket and grey cover strip
- Bronze anodised aluminium with black silicone gasket and black cover strip

Fixing

- When fixing the IS7085si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3



Right: IS7085si seal fitted to the rebate of a metal door frame (in lieu of a door stop).



Right: IS7085si seal shown fitted to the door stop of a metal frame.



7000

Perimeter Seals

IS7087si



The IS7087si adjustable perimeter seal is designed for high performance acoustic applications and is fitted to the head and jambs of door frame perimeters, with or without door stops. This seal can achieve up to 10mm sealing adjustment once the seal has been fitted for maximum sound control.

Fixing screws are concealed behind an aesthetic, tamper-proof aluminium cover plate.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 10mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium with grey silicone gasket and grey PVC rigid cover strip
- Bronze anodised aluminium with black silicone gasket and black PVC rigid cover strip

Fixing

- When fixing the IS7087si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate over 100,000 open and close cycles



Right: IS7087si adjustable perimeter seal fitted to a plain, non-rebated frame, acting as the sealing element and door stop.

Right: IS7087si perimeter seal fitted to a rebated frame, providing an adjustable, acoustic sealing solution.

Perimeter Seals

IS7090si



IS7090si self-adjusting and adjustable (spring-loaded) perimeter seal is designed for high performance acoustic applications. This seal can be fitted to the head and jambs of door frame perimeters in lieu of door stops, where frames are non fire-rated.

It's unique spring loaded mechanism, automatically self-adjusts to cater for movement or uneven doors. It is also mechanically adjustable to ensure the desired seal is maintained.

Durable polypropylene fins are incorporated within the gasket housing to provide additional smoke and acoustic sealing properties. An aesthetic, anodised aluminium tamper-proof cover plate simply clips onto the main carrier to conceal fixings.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 8mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket

Fixing

- When fixing the IS7090si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate over 100,000 open and close cycles



Right: IS7090si adjustable, spring-loaded perimeter seal fitted to a plain, non-rebated steel frame, acting as the acoustic sealing element and door stop.

70000

Perimeter Seals

IS7095si



The IS7095si heavy duty, adjustable perimeter seal is designed for high performance acoustic applications. This seal can be fitted to the head and jambs of door frame perimeters in lieu of door stops, where frames are non fire-rated.

This seal can achieve up to 12mm sealing adjustment once the seal has been fitted, for maximum sound control. Fixing screws are concealed behind the aesthetic tamper-proof aluminium cover plate.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 12mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

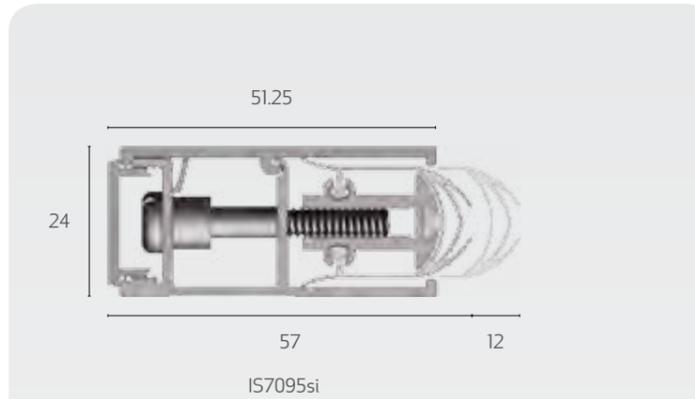
- Silver anodised aluminium with grey silicone gasket and grey PVC rigid cover strip
- Bronze anodised aluminium with black silicone gasket and black PVC rigid cover strip

Fixing

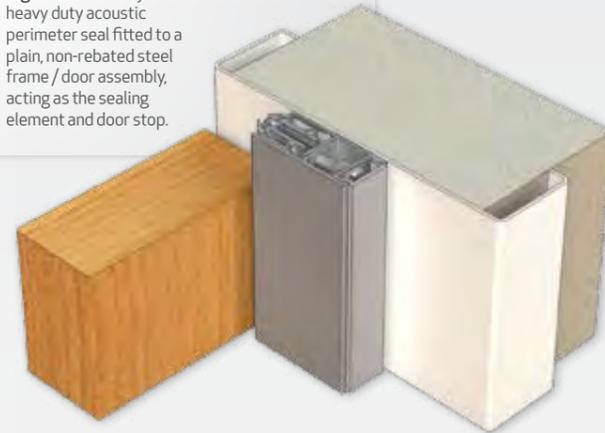
- When fixing the IS7095si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate over 100,000 open and close cycles



Right: IS7095si adjustable heavy duty acoustic perimeter seal fitted to a plain, non-rebated steel frame / door assembly, acting as the sealing element and door stop.



Perimeter Seals

IS7100si



The IS7100si is a slim-line compression type seal fitted to an existing door stop, around the head and jambs of single swing doors. It compensates for warped or unevenly hung doors, reducing sound and air leakage.

Gap size

- Min. 0mm / max. 8mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

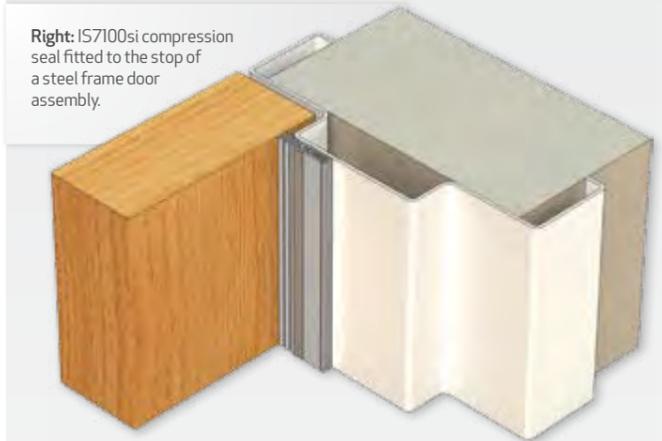
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

- Silver anodised aluminium with grey silicone gasket and grey PVC cover strip
- Bronze anodised aluminium with black silicone gasket and black PVC cover strip

Approval/s

- Acoustic ratings to AS1191 and ISO140.3



Right: IS7100si compression seal fitted to the stop of a steel frame door assembly.

7000

Perimeter Seals

IS7110si



The IS7110si is a compression type perimeter seal, designed to be fitted to an existing door stop, around the head and jambs of single swing doors.

Gap size

- Min. 0mm / max. 7mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

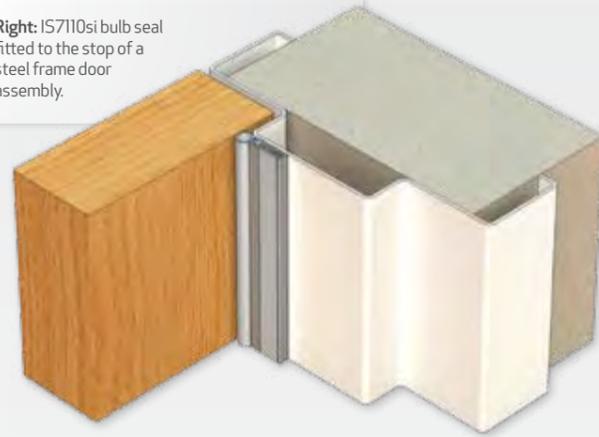
- Silver anodised aluminium with grey silicone gasket and grey cover strip
- Bronze anodised aluminium with black silicone gasket and black cover strip

Approval/s

- Acoustic ratings to AS1191 and ISO140.3



Right: IS7110si bulb seal fitted to the stop of a steel frame door assembly.



Perimeter Seals

IS7120si



The IS7120si is an elliptical bubble type compression seal designed to be fitted to an existing door stop, around the head and jambs of single swing doors. It compensates for warped or unevenly hung doors, reducing sound and air leakage.

Gap size

- Min. 2mm / max. 7mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

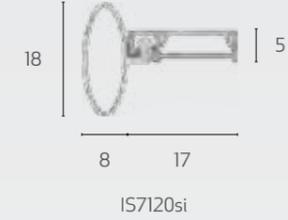
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

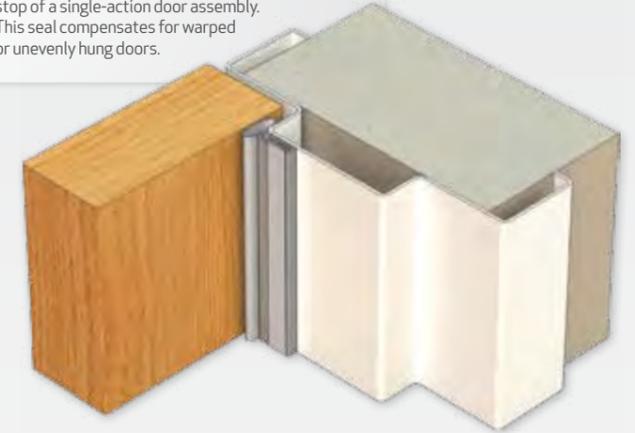
- Silver anodised aluminium with grey silicone gasket and grey cover strip
- Bronze anodised aluminium with black silicone gasket and black cover strip

Approval/s

- Acoustic ratings to AS1191 and ISO140.3



Right: IS7120si bubble seal fitted to the door stop of a single-action door assembly. This seal compensates for warped or unevenly hung doors.



7000

Perimeter Seals

IS7130si



The IS7130 is an effective acoustic seal suitable for fitting to door stops of sufficient depth, around the head and jambs of single swing doors. It has two silicone compression gaskets providing excellent acoustic and air leakage containment. It can also be rebated into meeting stiles and door bottoms as a sweep-action type seal.

Gap size

- Min. 6mm / max. 8mm (when recessed)
- Allow 12mm to 13mm when surface-mounted

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

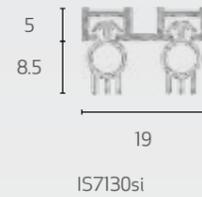
- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

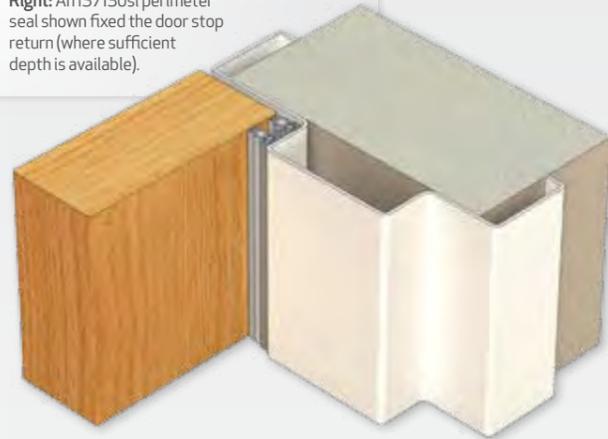
- Silver anodised aluminium with grey silicone gaskets
- Bronze anodised aluminium with black silicone gaskets

Approval/s

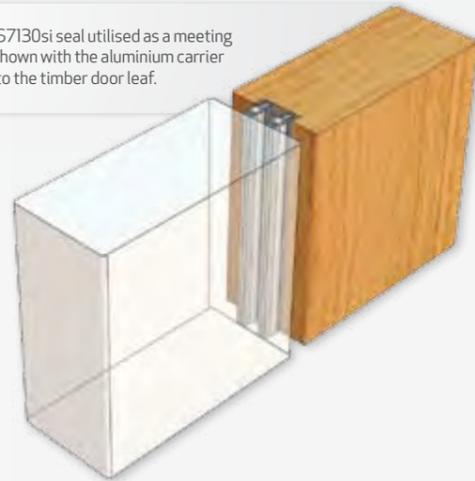
- Acoustic ratings to AS1191 and ISO140.3



Right: An IS7130si perimeter seal shown fixed the door stop return (where sufficient depth is available).



Right: An IS7130si seal utilised as a meeting stile seal, shown with the aluminium carrier rebated into the timber door leaf.



Perimeter Seals

IS7190si



The IS7190si perimeter seal is designed for high performance acoustic applications. This seal can be fitted to the head and jambs of door frame perimeters in lieu of door stops, where frames are non fire-rated. An anodised aluminium tamper-proof cover 'plate' simply clips and locks onto the main carrier to conceal fixings.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 12mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

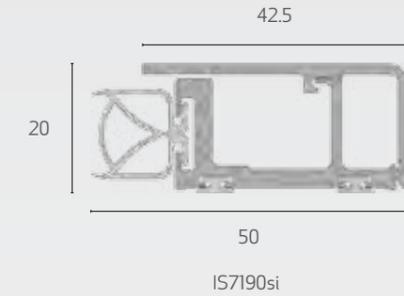
- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket

Fixing

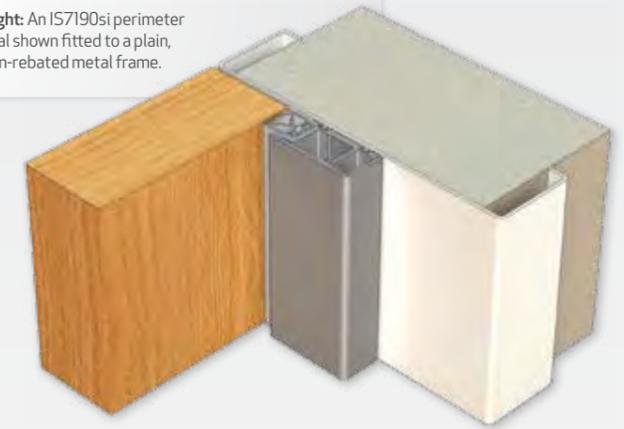
- When fixing the IS7190si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate over 100,000 open and close cycles



Right: An IS7190si perimeter seal shown fitted to a plain, non-rebated metal frame.



7000

Perimeter Seals

IS7195si



The IS7195si perimeter seal is also designed for high performance acoustic applications and is fitted to the head and jambs of door perimeters (with or without door stops) on steel or timber frames. It's an ideal seal for heavy traffic areas such as hospitals, schools, prisons and TAFES, etc.

An anodised aluminium cover 'strip' simply 'presses' onto the main carrier to conceal fixings. Once fitted, the space behind this cover plate can be utilised for low voltage cable management.

The IS7080si version (silicone gasket) has been successfully tested on proprietary fire door assemblies (mounted on a 25mm frame stop).

Gap size

- Min. 0mm / max. 15mm

Door set standard lengths

- Single: 1 x 1000mm, 2 x 2100mm
- Long Single: 1 x 1000mm, 2 x 2750mm
- Double: 3 x 2100mm
- Long Double: 1 x 2100mm, 2 x 2750mm

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

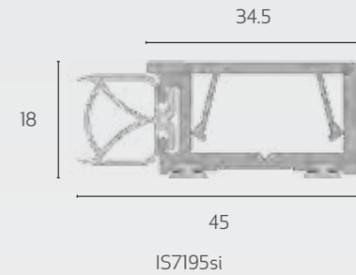
- Silver anodised aluminium with grey silicone gasket
- Bronze anodised aluminium with black silicone gasket

Fixing

- When fixing the IS7195si seal to rebated frames of single doors, specify a long back set door latch

Approval/s

- Fire tested to AS1530 Part 4
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrate over 100,000 open and close cycles



Below: An IS7195si acoustic perimeter seal shown fitted to a non-rebated steel door frame.



Meeting Stile Astragal Seals

IS7310si, IS7320si, IS7330si



The IS7310si and IS7320si seals are adjustable, aluminium meeting stile and door edge seals for frameless glass sliding doors.

The IS7330si seal is also adjustable to suit hinged or pivoted frameless glass doors.

All seals are designed to suit 12-15mm frameless glass doors, providing ambient temperature smoke containment, along with draught and dust protection. The high performance silicone gaskets also protect glass doors from colliding during closure. These seals have an easy self-adhesive application and can be used independently for various door applications.

Gap size

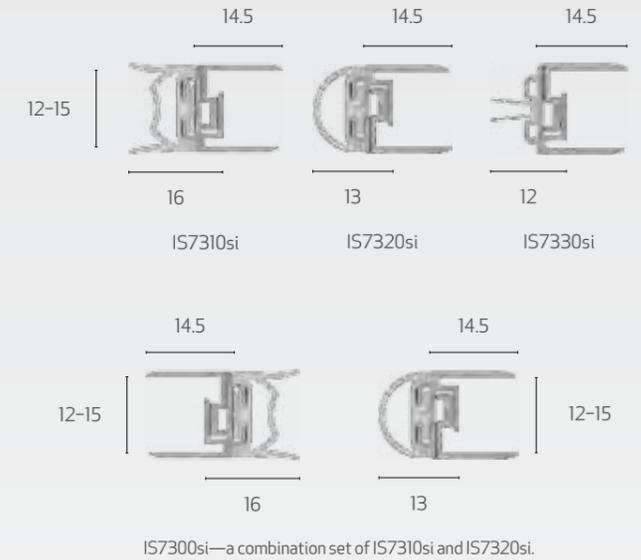
- Dependent upon application

Standard lengths

- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

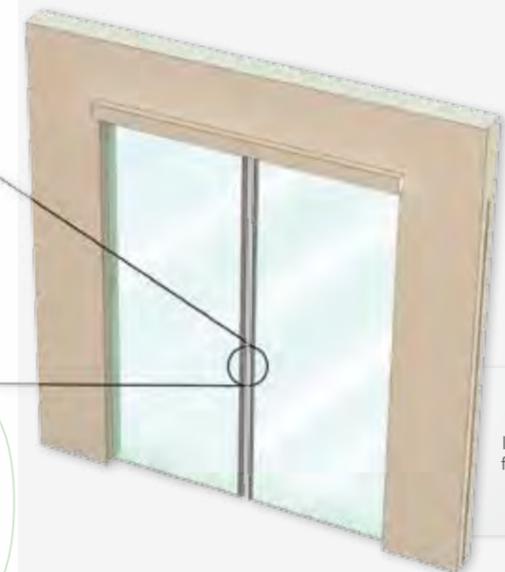
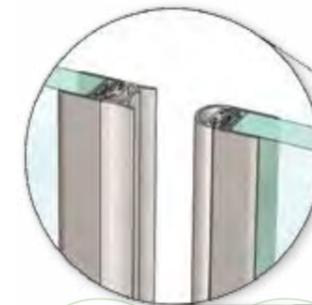
Standard colours

- Silver anodised aluminium with grey silicone gasket



IS7300si—a combination set of IS7310si and IS7320si.

Below: IS7330si seal adhered to a 12mm glass door edge. Suitable for single or double swing applications.



Left: IS7300si seal set (combined IS7310si and IS7320si) adhered to 12mm frameless glass sliding door meeting stile.

70000

Meeting Stile Perimeter Seals

IS7340si, IS7345si, IS7350si, IS7355si



These clear polycarbonate astragal seals suit 10mm and 12mm thick frameless glass doors, incorporating high temperature clear silicone gaskets. With an easy self-adhesive application, the seals are available with a clear silicone flexible bubble compression seal, or a clear silicone flexible twin-fin wiping seal, to suit various glass door applications.

All seals are designed to suit 10mm and 12mm frameless glass doors, providing ambient temperature smoke containment, along with draught and dust protection. The high performance silicone gaskets also protect glass doors from colliding during closure.

IS7340si and IS7345si suit 10mm glass
IS7350si and IS7355si suit 12mm glass

Gap size

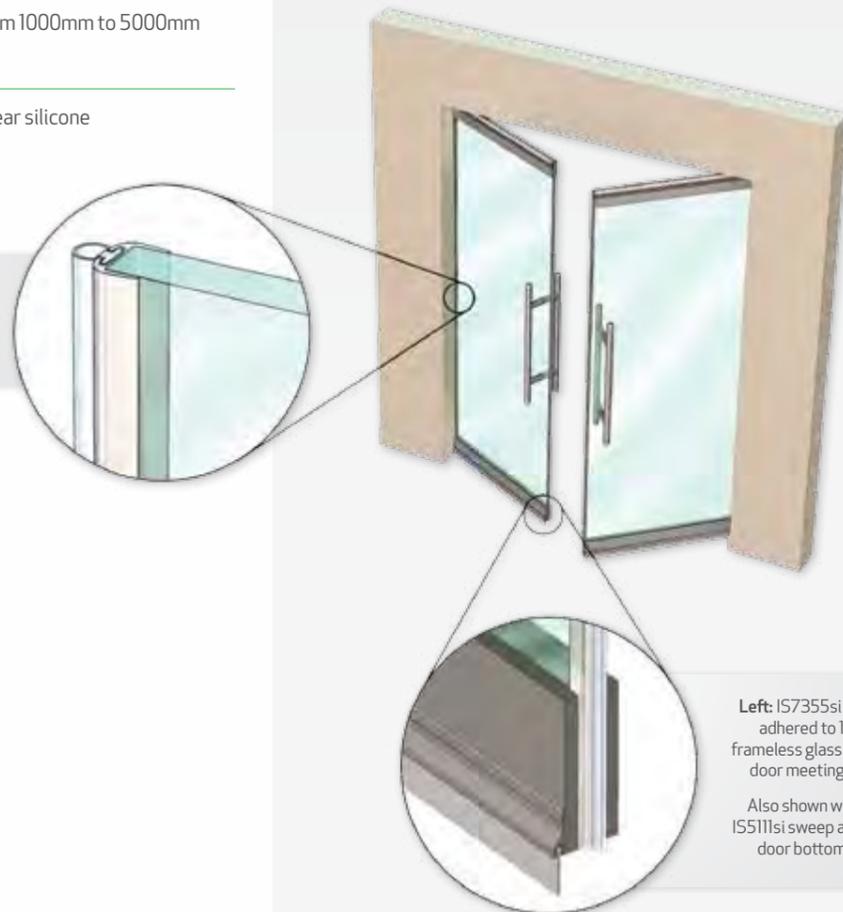
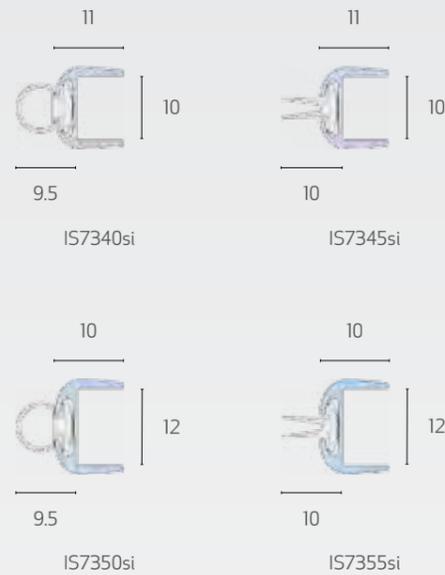
- Min. 7mm / max. 9mm (prior to installation)

Standard lengths

- 2250mm
- Also available in: 250mm increments from 1000mm to 5000mm

Standard colours

Clear UV stabilised polycarbonate with clear silicone bubble or twin-finned gasket



Right: IS7350si seal adhered to the 12mm glass door pivot stile. (Suitable for single or double swing applications).

Left: IS7355si seals adhered to 12mm frameless glass pivot door meeting stile.

Also shown with an IS5111si sweep action door bottom seal.

Automatic Door Bottom Seals 8000 Series

Automatic door bottom seals incorporate a spring-loaded mechanism that automatically lowers to seal the gap as the door closes and retracts as it is opened. They are available in either face-fixed, semi-rebated or fully mortised options.

Automatic Door Bottom Seals

IS8005si



A slim-line, concealed automatic door bottom seal which is mortised into the bottom edge of single action doors. It operates automatically by a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened.

Mounted into a 24mm deep x 13mm wide mortised groove, the seal is fixed via flanges on the underside of the door, operating automatically by pressure against the door jamb on its adjustable strike button. The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Aesthetic brass adjustment button and injection moulded, nylon screw-fixed radiused end plates ensure longevity of the seal mechanism, avoiding dust build-up and preventing foreign matter entering the mechanism housing.

Gap size

- Min. 3mm / max. 10mm

Standard lengths

- 380mm
- 600mm
- 820mm
- 920mm
- 1070mm
- 1220mm

IS8005si maximum allowable cut-back sizes:

- 380mm seal cuts to 275mm
- 600mm seal cuts to 380mm
- 820mm seal cuts to 600mm
- 920mm seal cuts to 820mm
- 1070mm seal cuts to 920mm
- 1220mm seal cuts to 1070mm

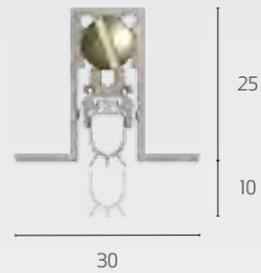
(*Seals can be cut on site for exact dimension).

Standard colours

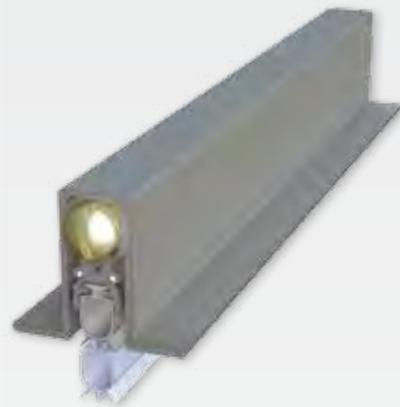
- Silver anodised aluminium with grey nylon end plates, grey silicone gasket.

Approval/s

- Fire tested to AS1530 Part 4
- Medium temperature smoke leakage tests to AS1530 Part 7 available on proprietary door assemblies
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8005si



Right: IS8005si seal shown rebated within a timber door bottom, with a radiused, screw fixed end plate.



Automatic Door Bottom Seals

IS8010si



A medium duty, concealed automatic door bottom seal which is mortised into the bottom edge of single action doors. It operates automatically by a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened.

Mounted into a 35mm deep x 15mm wide machined groove, the seal is screwfixed back into the door stiles via stainless steel end plates, holding the seal in place. The seal operates automatically by pressure against the door jamb on its adjustable strike button. The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 380mm
- 600mm
- 820mm
- 920mm
- 1070mm
- 1220mm

IS8010si maximum allowable cut-back sizes:

- 380mm seal cuts to 275mm
- 600mm seal cuts to 380mm
- 820mm seal cuts to 600mm
- 920mm seal cuts to 820mm
- 1070mm seal cuts to 920mm
- 1220mm seal cuts to 1070mm

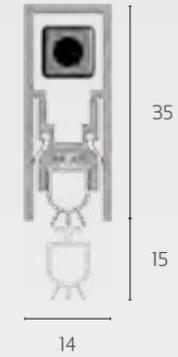
(*Seals can be cut on site for exact dimension).

Standard colours

- Silver anodised aluminium with stainless steel end plates, grey silicone gasket.
(Also available with bronze plated end plates and black silicone gasket upon request).

Approval/s

- Fire tested to AS1530 Part 4
- Medium temperature smoke leakage tests to AS1530 Part 7 available on proprietary door assemblies
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8010si



Right: IS8010si seal rebated within a timber door bottom, with stainless steel end plate.



800000

Automatic Door Bottom Seals

IS8011si



A medium duty, automatic door bottom seal which can be face-fixed or semi-rebated to the bottom edge of single action doors. It operates automatically by a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened.

The seal is fixed to the face of the door bottom using the ferrules and mounting screws provided. When the seal is to be semi-rebated, the seal is mounted into a 35mm deep x 14mm wide machined groove in the side of the door where the seal is to be positioned. The seal operates automatically by pressure against the door jamb on its adjustable strike button. The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Aesthetic, nylon push-fit end plates ensure longevity of the seal mechanism.

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 380mm
 - 600mm
 - 820mm
 - 920mm
 - 1070mm
 - 1220mm
- (*Longer lengths available to special order)

IS8011si maximum allowable cut-back sizes:

- 380mm seal cuts to 275mm
 - 600mm seal cuts to 380mm
 - 820mm seal cuts to 600mm
 - 920mm seal cuts to 820mm
 - 1070mm seal cuts to 920mm
 - 1220mm seal cuts to 1070mm
- (*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey end plates and grey silicone gasket
- Bronze anodised aluminium with black end plates and black silicone gasket

Approval/s

- Face-fixed version fire tested to AS1530 Part 4
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8011si

Right: IS8011si seal face-fixed to a timber door bottom, with nylon push-fit end plate.



Right: IS8011si seal semi-rebated within a timber door bottom, with nylon push-fit end plate.



Automatic Door Bottom Seals

IS8020si



A heavy duty, automatic door bottom seal which can be face-fixed or fully mortised into the bottom edge of single action doors. The seal has a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened. Pressure against the door jamb on the adjustable brass strike button operates the seal automatically.

Face-fixed: The seal is fixed to the face of the door bottom using the long fixing screws provided. (see detailed fitting instructions). The reversible aluminium top cover plate conceals the fixing screws and provides an aesthetic, architectural finish. A set of screw-fixed nylon end plates ensure longevity of the seal mechanism.

Fully-mortised: When the seal is to be fully-mortised, the seal (minus the top cover plate) is mounted into a 54mm deep x 22mm wide machined groove and screw-fixed back into the door stiles via stainless steel end plates, holding the seal in place.

The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 450mm
- 610mm
- 820mm
- 920mm
- 1070mm
- 1220mm
- 1500mm

IS8020si maximum allowable cut-back sizes:

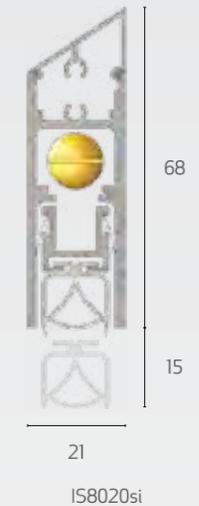
- 450mm seal cuts to 275mm
 - 610mm seal cuts to 450mm
 - 820mm seal cuts to 610mm
 - 920mm seal cuts to 820mm
 - 1070mm seal cuts to 920mm
 - 1220mm seal cuts to 1070mm
 - 1500mm seal cuts to 1220mm
- (*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey end plates (or stainless steel end plates) and grey silicone gasket
- Bronze anodised aluminium with black end plates (or stainless steel end plates) and black silicone gasket

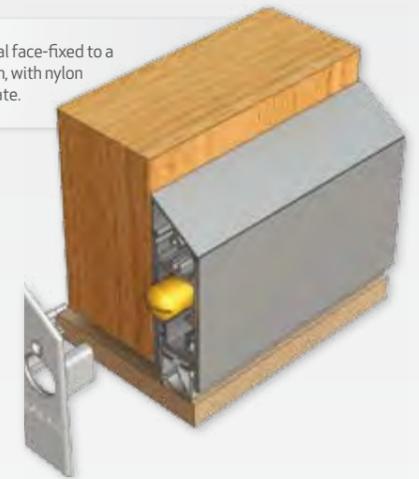
Approval/s

- Fire tested to AS1530 Part 4
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8020si

Right: IS8020si seal face-fixed to a timber door bottom, with nylon screw-fixed end plate.



Right: IS8020si seal fully rebated within a timber door bottom, with stainless steel end plate.



Automatic Door Bottom Seals

IS8035si, IS8036si



Medium duty, automatic door bottom seals which can be semi-rebated (IS8035si) or face-fixed (IS8035si or IS8036si) to the bottom edge of single action doors. The seals have a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened. Pressure against the door jamb on the adjustable strike button operates the seal automatically.

IS8035si: This seal can be face-fixed or semi-rebated to the door bottom using the fixings provided. When the seal is to be semi-rebated, the seal is mounted into a 37mm deep x 13mm wide machined groove. The screw line is covered by an aesthetic flexible PVC cover strip.

IS8036si: This seal is face-fixed to the bottom edge of single action doors. It has an architectural 'curved' cover plate to conceal fixing points and provide an aesthetic finish.

Both seals have brass adjustment buttons and injection moulded, push-fit nylon end plates plus a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 10mm

Standard lengths

- 380mm
- 600mm
- 820mm
- 920mm
- 1070mm
- 1220mm

IS8035si and IS8036si maximum allowable cut-back sizes:

- 380mm seal cuts to 275mm
 - 600mm seal cuts to 380mm
 - 820mm seal cuts to 600mm
 - 920mm seal cuts to 820mm
 - 1070mm seal cuts to 920mm
 - 1220mm seal cuts to 1070mm
- (*Seal can be cut on site for exact dimensions)

Standard colours

- Silver anodised aluminium with grey end plates and grey silicone gasket
- Bronze anodised aluminium with black end plates and black silicone gasket

Approval/s

- Face-fixed versions fire tested to AS1530 Part 4
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



Automatic Door Bottom Seals

IS8090si



A heavy duty, automatic door bottom seal which can be semi-rebated or facefixed to the bottom edge of single action doors. The seal has a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened. Pressure against the door jamb on the adjustable brass strike button operates the seal automatically.

Face-fixed: The seal is fixed to the face of the door bottom using the fixing screws provided. A set of rigid push-fit nylon end plates ensure longevity of the seal mechanism.

Semi-rebated: When the seal is to be semi-rebated, the seal is mounted into a stepped rebate: a 44mm deep x 21mm wide machined groove (for the bottom section), plus a 25mm deep x 3mm wide machined recess (for the top flange), on the side of the door to which the seal will be positioned. The seal can be screw-fixed into position through the flange and fitted with cast aluminium end plates.

The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 450mm
- 610mm
- 820mm
- 920mm
- 1070mm
- 1220mm
- 1500mm

IS8090si maximum allowable cut-back sizes:

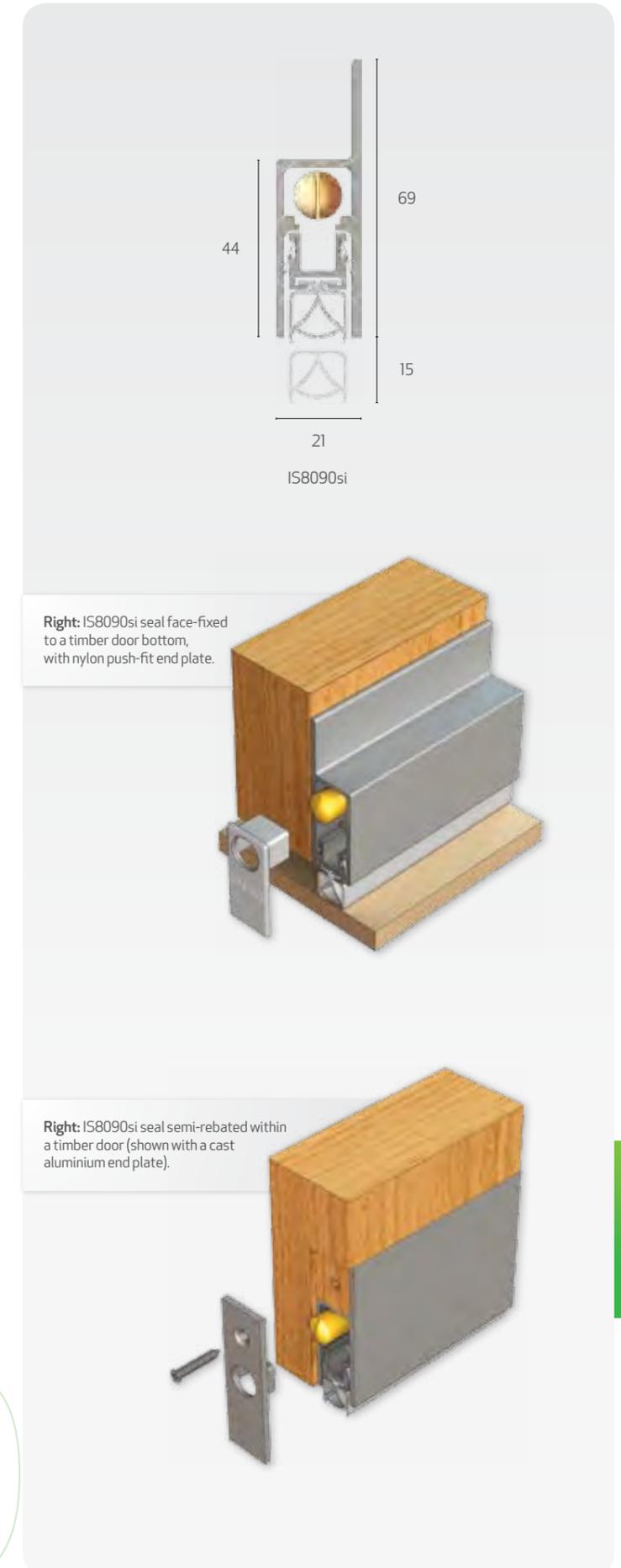
- 450mm seal cuts to 275mm
 - 610mm seal cuts to 450mm
 - 820mm seal cuts to 610mm
 - 920mm seal cuts to 610mm
 - 1070mm seal cuts to 920mm
 - 1220mm seal cuts to 1070mm
 - 1500mm seal cuts to 1220mm
- (*Seals can be cut on site to exact dimension)

Standard colours

- Silver anodised aluminium with grey end plates (or cast aluminium end plates) and grey silicone gasket
- Bronze anodised aluminium with black end plates (or cast aluminium end plates) and black silicone gasket

Approval/s

- Face-fixed version fire tested to AS1530 Part 4
- Medium temperature smoke leakage tests to AS1530 Part 7 available on proprietary door assemblies
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



Automatic Door Bottom Seals

IS8091si



A heavy duty, automatic door bottom seal which is face-fixed to the bottom edge of single action doors. The seal has a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened. Pressure against the door jamb on the adjustable brass strike button operates the seal automatically.

The seal is fixed to the face of the door bottom using the fixing screws provided. A set of rigid push-fit nylon end plates ensure longevity of the seal mechanism. An aesthetic, architectural aluminium cover plate, provides an 'easy to clean' surface for clean-room environments.

The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 450mm
- 610mm
- 820mm
- 920mm
- 1070mm
- 1220mm
- 1500mm

IS8091si maximum allowable cut-back sizes:

- 450mm seal cuts to 275mm
- 610mm seal cuts to 450mm
- 820mm seal cuts to 610mm
- 920mm seal cuts to 610mm
- 1070mm seal cuts to 920mm
- 1220mm seal cuts to 1070mm
- 1500mm seal cuts to 1220mm

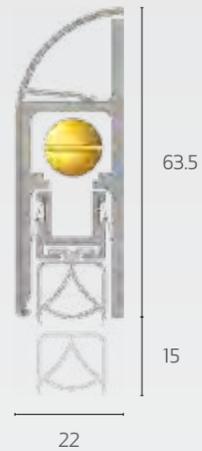
(*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey end plates and grey silicone gasket
- Bronze anodised aluminium with black end plates and black silicone gasket

Approval/s

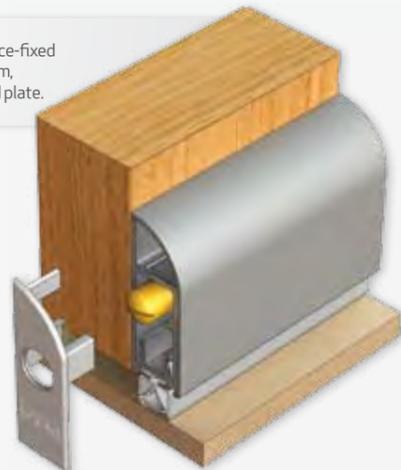
- Fire tested to AS1530 Part 4
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8091si



Right: IS8091si seal face-fixed to a timber door bottom, with nylon push-fit end plate.



Automatic Door Bottom Seals

IS8100si



A heavy duty, automatic door bottom seal which is fully-mortised into the bottom edge of single action doors. The seal has a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened. Pressure against the door jamb on the adjustable brass strike button operates the seal automatically.

The seal is mounted into a 43mm deep x 21mm wide machined groove along the underside of the door. The seal is screw-fixed into position through the mounting flanges. Aesthetic, rigid nylon push-fit end plates (or screw-fixed cast aluminium end plates) ensure longevity of the seal mechanism.

The seal contains a high efficiency mechanism to assist with the closing force requirements detailed in AS1428/1 (Design for Access and Mobility).

Gap size

- Min. 3mm / max. 15mm

Standard lengths

- 450mm
- 610mm
- 820mm
- 920mm
- 1070mm
- 1220mm
- 1500mm

IS8100si maximum allowable cut-back sizes:

- 450mm seal cuts to 275mm
- 610mm seal cuts to 450mm
- 820mm seal cuts to 610mm
- 920mm seal cuts to 610mm
- 1070mm seal cuts to 920mm
- 1220mm seal cuts to 1070mm
- 1500mm seal cuts to 1220mm

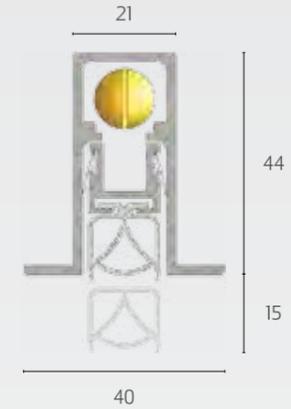
(*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey end plates (or cast aluminium end plates) and grey silicone gasket
- Bronze anodised aluminium with black end plates (or cast aluminium end plates) and black silicone gasket

Approval/s

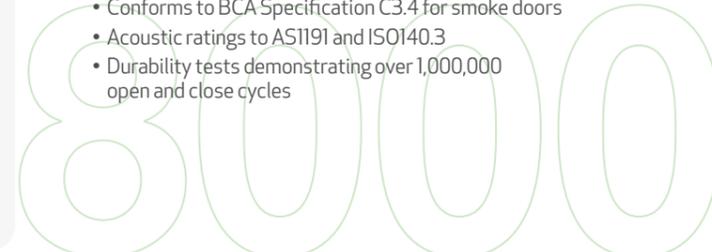
- Fire tested to AS1530 Part 4
- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



IS8100si



Right: IS8100si seal recessed into a timber door bottom, with cast aluminium end plate.



Automatic Door Bottom Seals

IS8110si



A fully-mortised, automatic “flat back” seal to suit installation to aluminium door rails for single action doors. It operates automatically by a spring loaded mechanism which lifts the seal clear of the floor as soon as the door is opened by a few millimetres. The seal operates automatically by pressure against the door jamb on its adjustable strike button.

Standard lengths

- 610mm
- 820mm
- 920mm
- 1070mm
- 1220mm

IS8110si maximum allowable cut-back sizes:

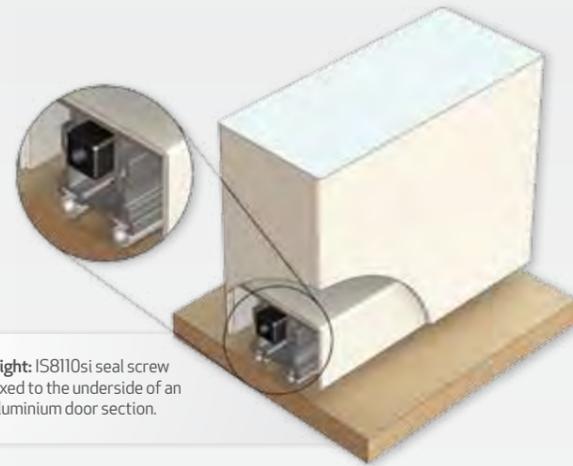
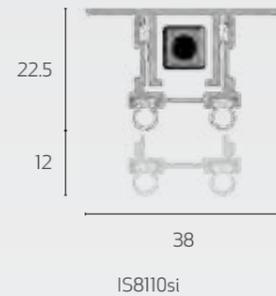
- 610mm seal cuts to 580mm
 - 820mm seal cuts to 610mm
 - 920mm seal cuts to 610mm
 - 1070mm seal cuts to 920mm
 - 1220mm seal cuts to 1070mm
- (*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey silicone rubber compression gaskets

Approval/s

- Conforms to BCA Specification C3.4 for smoke doors
- Acoustic ratings to AS1191 and ISO140.3
- Durability tests demonstrating over 1,000,000 open and close cycles



Right: IS8110si seal screw fixed to the underside of an aluminium door section.

Automatic Door Bottom Seals

IS8210si



A rebated automatic door bottom seal for single action doors which is spring loaded to swing clear of the floor as soon as the door is opened by a few millimetres. The unique “swing-seal” operates automatically by pressure against the door jamb on its adjustable strike button.

The seal is mounted into a 10mm deep x 31mm wide machined groove along the underside of the door. Aesthetic, nylon push-fit end plates ensure longevity of the seal mechanism.

Standard lengths

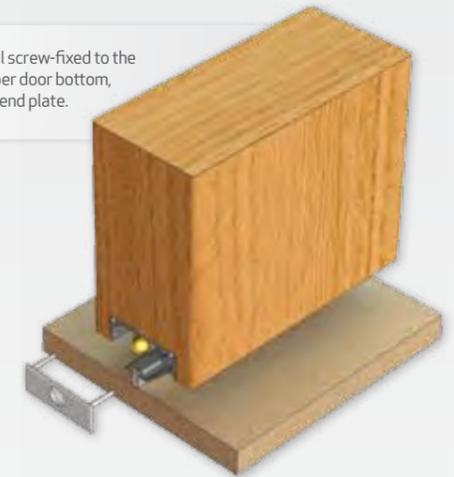
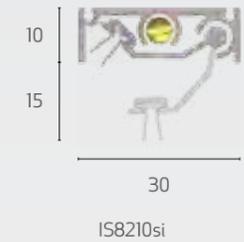
- 620mm
- 720mm
- 820mm
- 920mm
- 1020mm
- 1220mm

IS8210si maximum allowable cut-back sizes:

- 620mm seal cuts to 520mm
 - 720mm seal cuts to 620mm
 - 820mm seal cuts to 720mm
 - 920mm seal cuts to 820mm
 - 1,020mm seal cuts to 920mm
 - 1220mm seal cuts to 1,020mm
- (*Seals can be cut on site for exact dimension)

Standard colours

- Silver anodised aluminium with grey silicone rubber gasket and grey nylon push-fit end plates



Right: IS8210si seal screw-fixed to the underside of a timber door bottom, with nylon push-fit end plate.

80000

Specialty Seals

9000 Series

Trapping fingers in hinged doors can cause horrendous injuries, especially in locations where children are present. The range of Kilargo finger guard seals can provide the deterrent.

Specialty Seals

IS9010

An overhead drip guard designed to channel rain water away from exposed doors, particularly those which open outward.

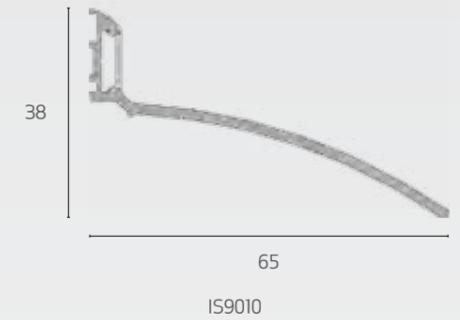
An aesthetic PVC cover strip conceals the screw line. Suitable for single and double leaf doors, sliding doors, roller shutter doors, plus tilt-panels.

Standard lengths

- 1000mm
- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

- Silver anodised aluminium with grey PVC cover strip



Right: Application showing the IS9010 fitted to a steel door frame above an outward opening door.

900000

Specialty Seals

IS9050, IS9055, IS9070 Finger Guard Safety Seals

Trapping fingers in hinged doors can cause horrendous injuries. The risk is especially high in locations where young children are present; ie, child care centres, schools, restaurants, fast-food outlets, etc.

The finger guard seals provide the shield. These seals can provide protection on both sides of the door by using the IS9050 or IS9055 on the hinge knuckle side and the IS9070 on the hinge cavity side (opening side) of the door.

IS9070 includes a unique, integral smoke and acoustic fin. It can be used in conjunction with the IS7025si acoustic seal around the remainder of the door perimeter for a comprehensive sealing and finger protection system.

Standard lengths

- 2250mm
- Also available in: 250mm increments from 1000mm to 3000mm

Standard colours

- Silver anodised aluminium with grey PVC cover strip and black gasket
- Bronze anodised aluminium with black PVC cover strip and black gasket
- Brown, grey and cream colour gaskets available to special order

Right: Application showing the IS9055 (extended hinge guard seal) fitted across the hinge knuckle on a timber door assembly.



Right: Application showing the IS9070 fitted across the hinge cavity on a timber door assembly.



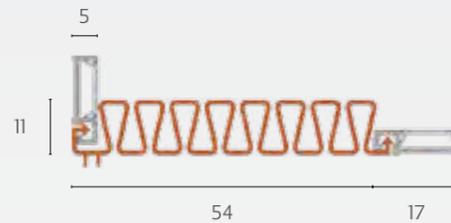
Right: Application showing the IS9050 fitted across the hinge knuckle on a timber door/metal frame assembly.



IS9050 Finger Guard Seal - hinge position



IS9055 Finger Guard Seal - hinge position



IS9070 Finger Guard Seal

Replacement Gasket and Seal Components

Gasket and Seal Components

Gaskets

Illustrations not to scale



Product code:	ISRG-3015si	ISRG-3016si	ISRG-3017si	ISRG-3020si	ISRG-3021si	ISRG-3070si	ISRG-3080si
Use with:	IS3015si	IS3016si	IS3016si IS3022si	IS3020si	IS3021si	IS3070si	IS3080si



Product code:	ISRG-4220si	ISRG-5111si	ISRG-5116si	ISRG-5121si	ISRG-6015	ISRG-7025si	ISRG-7060si	LE1212K
Use with:	IS4220si	IS5111si	IS5116si	IS5121si	IS6015 IS6020 IS6030	IS7010si IS7020si IS7021si IS7025si	IS7060si	IS7061



Product code:	ISRG-7071si	ISRG-7080si	ISRG-7085si	ISRG-7087si	ISRG-7090si	ISRG-7095si	ISRG-7100si
Use with:	IS7071si IS8210si	IS7080si IS7080	IS7085si	IS7087si	IS7090si IS7190si IS7195si IS8020si IS8090si IS8091si IS8100si	IS7095si	IS7100si



Product code:	ISRG-7110si	ISRG-7120si	ISRG-7130si	ISRG-7310si	ISRG-7320si	ISRG-7330si	ISRG-8005si	ISRG-8010si
Use with:	IS7110si	IS7120si	IS7130si	IS7310si	IS7320si	IS7330si	IS8005si	IS8010si



Product code:	ISRG-8110si	ISRG-9050	ISRG-9055	ISRG-9070
Use with:	IS8110si	IS9050	IS9055	IS9070

Gasket and Seal Components

Gaskets (Vinyl Feet)

Illustrations not to scale



Product code:	ISRG-4010	ISRG-4030	ISRG-4070A	ISRG-4070B
Use with:	IS4110 IS4115 IS4120 IS4125 IS4220si	IS4030 IS4035 IS4040 IS4045 IS4100	IS4070 IS4075 IS4077 IS4078si IS4080	IS4070 IS4075 IS4077 IS4078si IS4080



Product code:	ISRC	ISRC-4100CP	ISRC-7010CP	ISRC-7020CP	ISRC-7021CP
Use with:	IS3070si IS3080si IS6015 IS6030 IS7025si IS7080 IS7080si IS7085si IS7100si IS7110si IS7120si IS9010 IS9050 IS9055 IS9070 <i>(Available in grey & black)</i>	IS4100 IS4140	IS7010si	IS7020si	IS7021si <i>(Available in silver, white, black or cream)</i>



Product code:	ISRC-7087CP	ISRC-7087CS	ISRC-7090CP	ISRC-7095CP	ISRC-7095CS	ISRC-7195CP
Use with:	IS7087si	IS7087si	IS7090si IS7190si	IS7090si	IS7095si	IS7195si

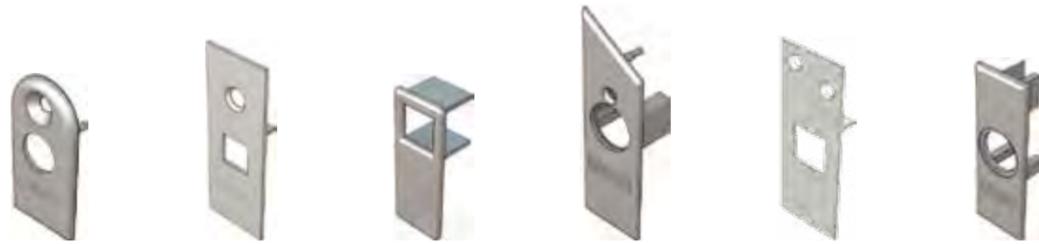


Product code:	ISRC-8020CP	ISRG-8036CP	ISRG-8091CP
Use with:	IS8020si	IS8036si	IS8091si

Gasket and Seal Components

Seal Components (End Plates)

Illustrations not to scale



Product code:	ISRC-8005EPP	ISRC-8010EPP	ISRC-8011EPP	ISRC-8020EPP	ISRC-8020SEPP	ISRC-8035EPP
Use with:	IS8005si	IS8010si	IS8011si	IS8020si <i>(Face-Fixed nylon end plates)</i>	IS8020si <i>(Fully-mortised stainless steel end plates)</i>	IS8035si



Product code:	ISRC-8036EPP	ISRC-8090EPP	ISRC-8090AEP	ISRC-8091EPP	ISRC-8210EPP
Use with:	IS8036si	IS8090si IS8100si <i>(Face-fixed nylon end plates)</i>	IS8090si <i>(Cast aluminium end plates for semi-mortised applications)</i>	IS8091si	IS8210si



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