



**Integrity**   
Architectural Door Seals

Antimicrobial  
Door Sealing  
Solutions



*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.

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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## Antimicrobial architectural seals

The threat of bacterial infection exists in all environments, but particularly in 'high traffic' commercial buildings. Dangerous bacteria live on all common surfaces, including doors, door hardware and door seals. These can be easily spread by simple human contact.

To assist in suppressing the growth & spread of these bacteria, Kilargo has incorporated antimicrobial technology into the manufacture of its range of silicone door seals. Our innovative range of antimicrobial silicone gaskets provide outstanding performance with unbeatable hygiene, eliminating up to 99.99% of bacteria.

Manufactured with in-built SteriTouch® protection, they are designed for 'clean room' environments and buildings that demand superior infection control, including:

- hospitals, medical centres and nursing homes
- laboratories and testing facilities
- childcare centres and schools
- food-handling areas.

Like all Kilargo products, our SteriTouch® range is professionally manufactured to exacting standards – providing exceptional solutions for containing sound, limiting the spread of smoke, improving energy efficiency and preventing weather infiltration. Along with incredible bacteria resistance, they're the perfect choice for the most hygienic buildings.



Kilargo is an Australian company with a global focus and presence. The vast majority of our products are manufactured and sourced in Australia including the Kilargo Integrity antimicrobial door seal range.

## What is SteriTouch®?

SteriTouch® additives use the proven, natural sterilising properties of silver to reduce the growth of harmful bacteria, mould and fungi by up to 99.99%. In fact, SteriTouch® provides protection against a wide range of pathogens, and is particularly effective against illness-causing bacteria such as E.Coli, Salmonella and MRSA.

A trusted and established brand, SteriTouch® is safe for even the most sensitive applications and is backed by independent testing and continual assessment. In line with Kilargo's 'green' commitment, SteriTouch® additives do not leach and have no environmental impact.

Best of all, the antibacterial qualities of silver are constantly active and enduring – bringing the peace-of-mind and lasting protection you need.

## Independent testing giving valuable reassurance

At Kilargo, we pride ourselves on using the best materials to deliver real confidence – especially when it comes to people's health and wellbeing.

All SteriTouch® additives are independently verified by leading antimicrobial test laboratories in the UK and Japan. Products are tested against E.Coli and MRSA, according to internationally recognised standards and with comprehensive test reports and resulting certification.



Look for the antimicrobial icon for applicable products and the distinct 'powder-blue' Steritouch impregnated, silicone gaskets – your assurance you have the effective antimicrobial protection you demand.



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



### 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.



### Antimicrobial Protection

The 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 2012 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:

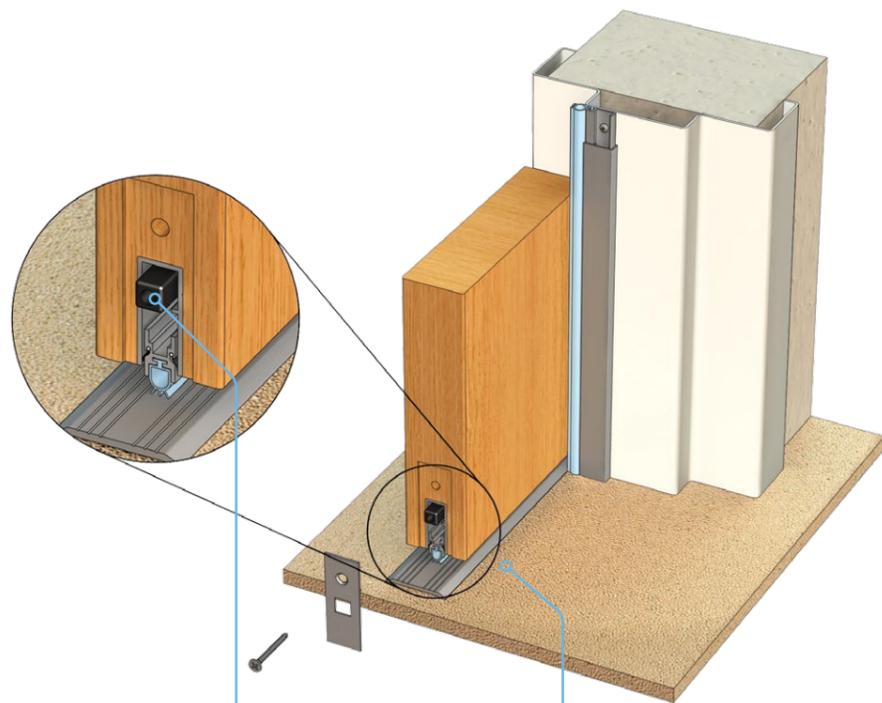
Door assemblies fitted with appropriate seals can greatly assist in reducing air movement within buildings. Whether controlling warm or cool air, seals play a vital role in maintaining the equilibrium of air conditioned spaces. Reducing leakage paths greatly assists in improving the overall energy efficiency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

## IS7010AMsi – IS8010AMsi



**Application:** This sealing combination is suitable for typical single or double leaf, hinged access or isolation room doors where infection control is a primary consideration for the amenity and well-being of building occupants.

The silicone gaskets of these seals have been manufactured with in-built SteriTouch® protection, significantly reducing the presence of harmful bacteria, mould and fungi.

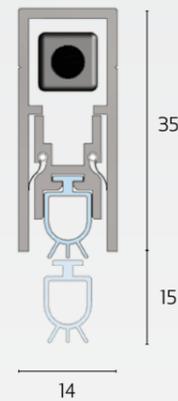


The door bottom seal is shown with the operating button on the visible side to highlight illustration. When installing, the operating button would be located on the hinge side of the door for activation against the door frame rebate.

Can be installed with an IS4130 threshold plate for an optimum sealing surface.



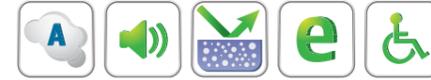
**IS7010AMsi** – slim-line perimeter seal consisting of an aluminium carrier with aluminium cover plate for concealed fixings, plus SteriTouch® treated silicone compression gasket.



**IS8010AMsi** – medium duty, concealed automatic door bottom seal with SteriTouch® treated silicone compression gasket, plus stainless steel end plates.

Look for the distinct 'powder-blue' coloured silicone gaskets, your assurance you have the effective antimicrobial protection you demand.

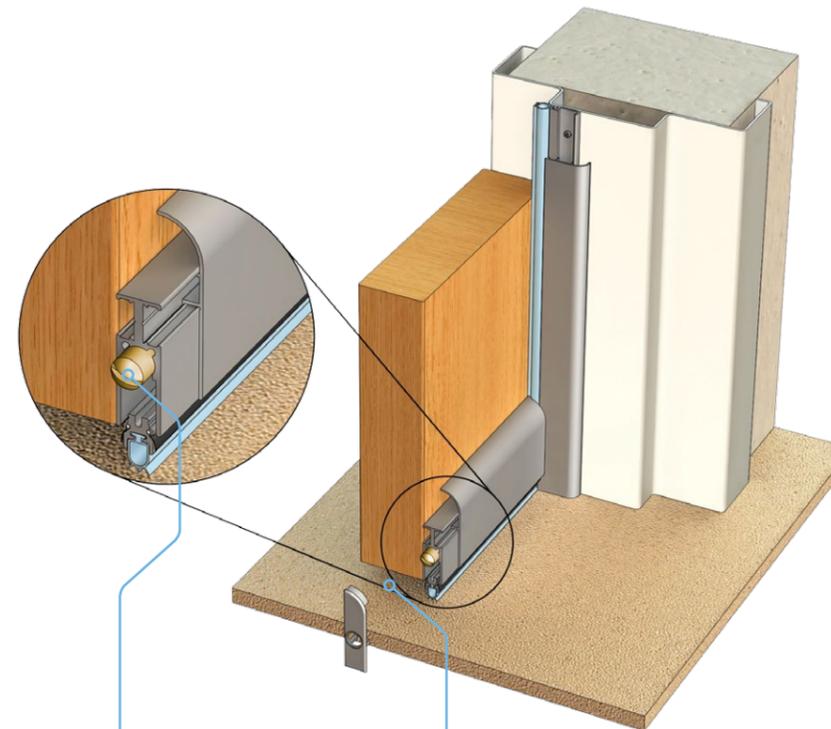
## IS7020AMsi – IS8036AMsi



**Application:** This sealing combination is suitable for typical single or double leaf, hinged access doors where infection control is a primary consideration for the amenity and well-being of building occupants.

The silicone gaskets of these seals have been manufactured with in-built SteriTouch® protection, significantly reducing the presence of harmful bacteria, mould and fungi.

The curved, smooth architectural aspect of the seals provide an excellent solution for clean-room environments, where the aluminium surfaces can be easily wiped clean.

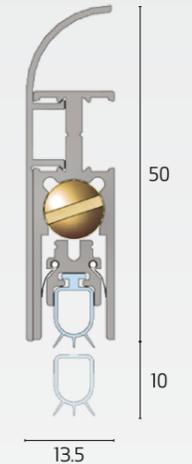


The door bottom seal is shown with the operating button on the visible side to highlight illustration. When installing, the operating button would be located on the hinge side of the door for activation against the perimeter seal.

Can be installed with an IS4130 threshold plate for an optimum sealing surface.



**IS7020AMsi** – slim-line perimeter seal consisting of an aluminium carrier with extended aluminium cover plate for concealed fixings, plus SteriTouch® treated silicone compression gasket.



**IS8036AMsi** – medium duty, face-fixed automatic door bottom seal with 'curved', aesthetic architectural aluminium cover plate and SteriTouch® treated silicone compression gasket. Complete with nylon 'press-fit' end plates to suit.

Look for the distinct 'powder-blue' coloured silicone gaskets, your assurance you have the effective antimicrobial protection you demand.

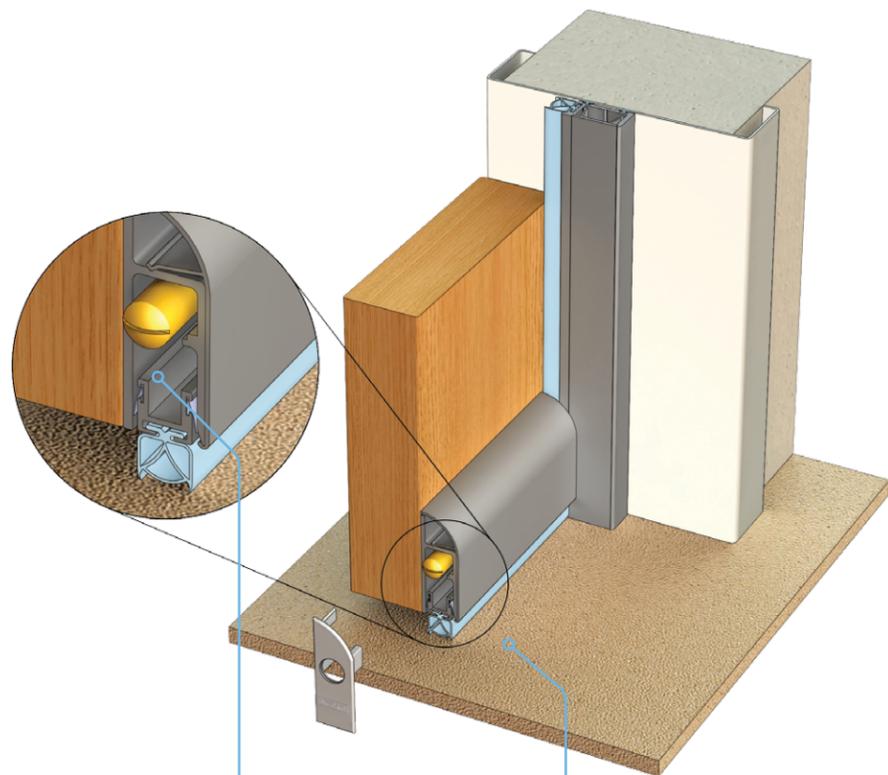
## IS7195AMsi – IS8091AMsi



**Application:** This sealing combination is suitable for typical single or double leaf, hinged access or heavy-duty isolation type doors where infection control is a primary consideration for the amenity and well-being of building occupants.

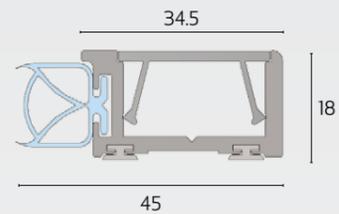
This sealing combination can also provide exceptional smoke and noise control for appropriate applications.

The silicone gaskets of these seals have been manufactured with in-built SteriTouch® protection, significantly reducing the presence of harmful bacteria, mould and fungi.

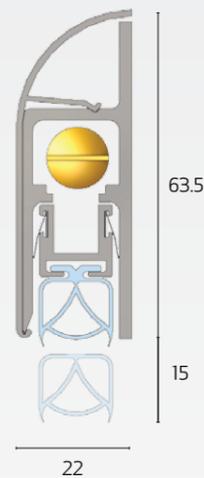


The door bottom seal is shown with the operating button on the visible side to highlight illustration. When installing, the operating button would be located on the hinge side of the door for activation against the perimeter seal.

Can be installed with an IS4130 threshold plate for an optimum sealing surface.



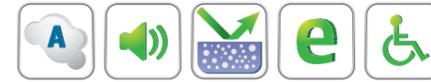
**IS7195AMsi** – heavy duty, door frame perimeter seal with SteriTouch® treated silicone compression gasket, designed for high performance acoustic applications in buildings such as hospitals and schools. This seal is commonly fitted to non fire-rated door frames in lieu of door frame stops.



**IS8091AMsi** – heavy duty, face-fixed automatic door bottom seal with 'curved', aesthetic architectural aluminium cover plate and SteriTouch® treated silicone compression gasket. Complete with nylon 'press-fit' end plates to suit.

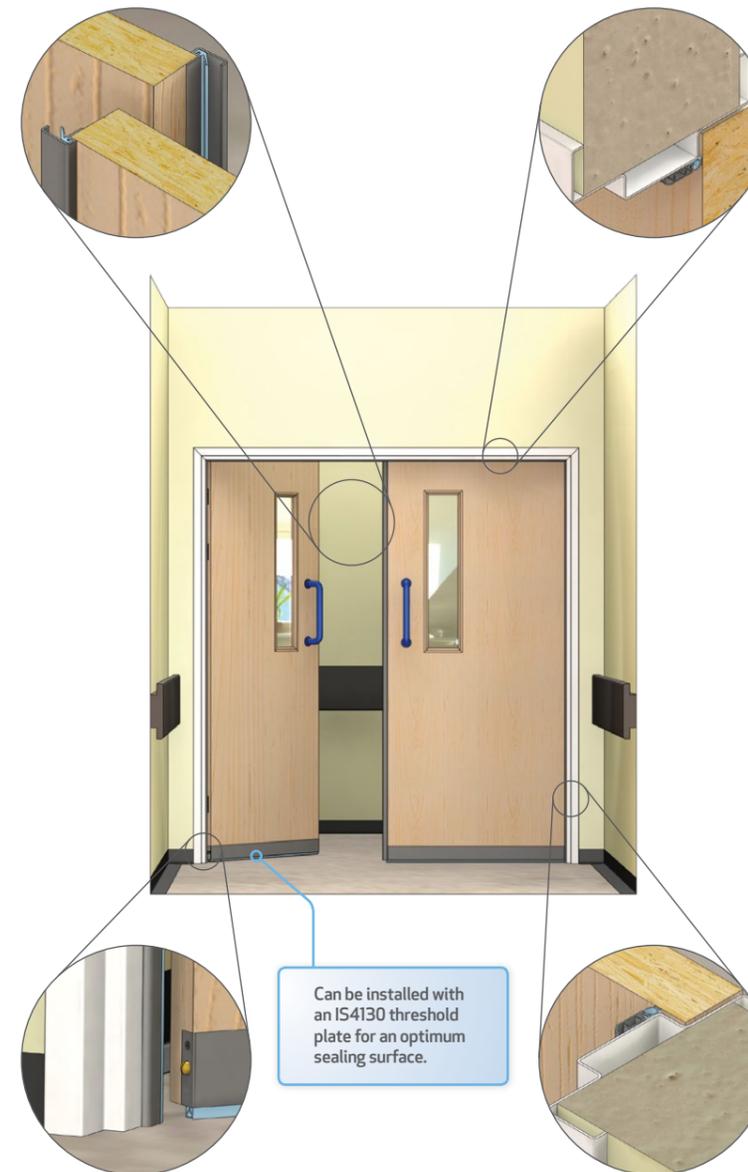
Look for the distinct 'powder-blue' coloured silicone gaskets, your assurance you have the effective antimicrobial protection you demand.

## IS7020AMsi – IS7060AMsi – IS8090AMsi



**Application:** This sealing combination is suitable for typical double leaf, single-swing, hinged corridor/access doors where infection control is a primary consideration for the amenity and well-being of building occupants.

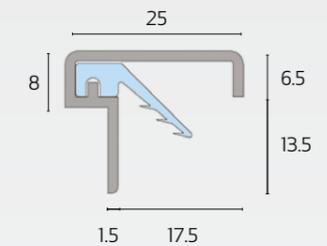
The silicone gaskets of these seals have been manufactured with in-built SteriTouch® protection, significantly reducing the presence of harmful bacteria, mould and fungi.



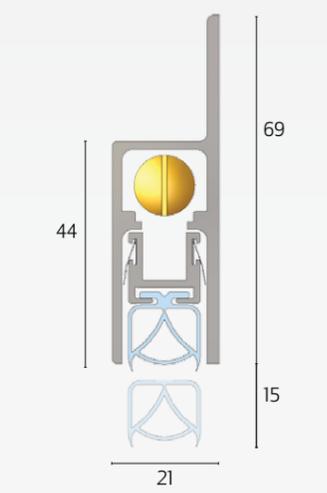
Can be installed with an IS4130 threshold plate for an optimum sealing surface.



**IS7020AMsi** – slim-line perimeter seal consisting of an aluminium carrier with extended aluminium cover plate for concealed fixings, plus SteriTouch® treated silicone compression gasket.



**IS7060AMsi** – an aluminium astragal seal with SteriTouch® treated silicone wiping / compression gasket, used with either plain or rebated meeting stiles on single-swing, double doors (where only one leaf is active).



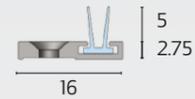
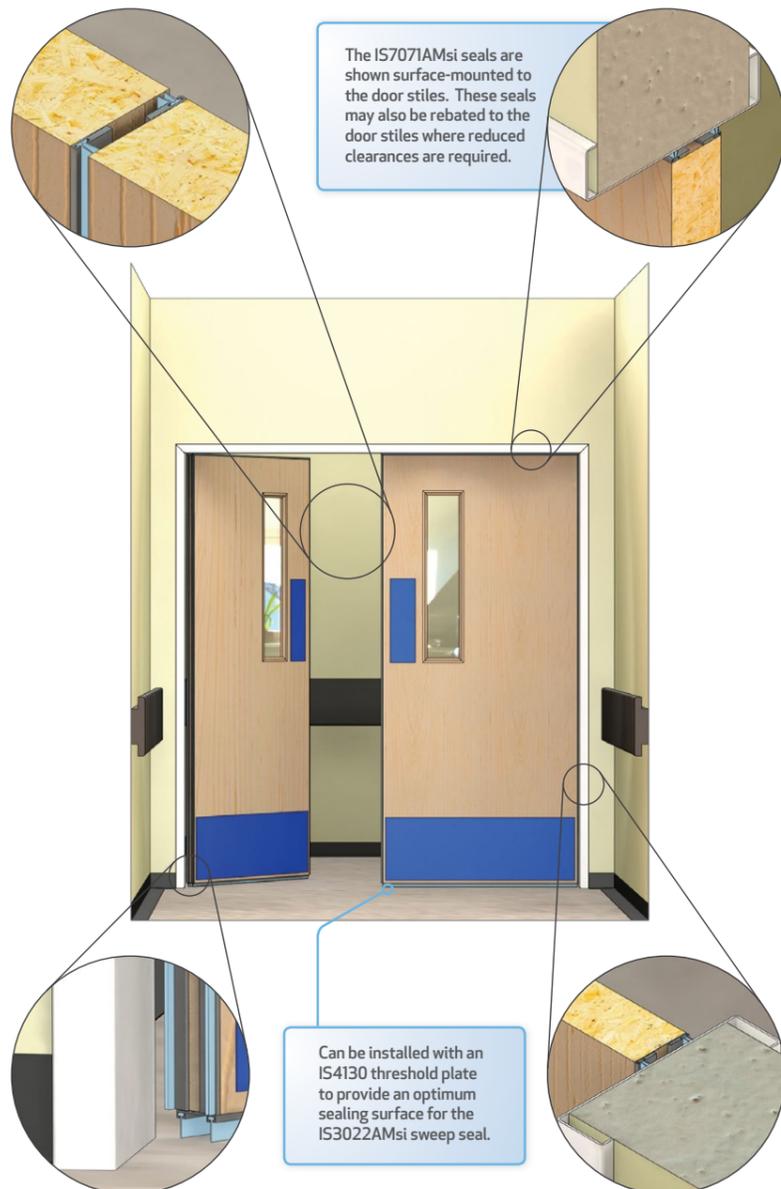
**IS8090AMsi** – heavy duty, semi-rebated automatic door bottom seal with SteriTouch® treated silicone compression gasket. Complete with cast-aluminium screw-fixed end plates to suit.

# IS7071AMsi - IS3022AMsi

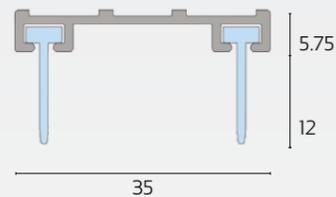


**Application:** This sealing combination is suitable for typical double leaf, double-swing, pivot access/corridor smoke doors, where infection control is a primary consideration for the amenity and well-being of building occupants.

The silicone gaskets of these seals have been manufactured with in-built SteriTouch® protection, significantly reducing the presence of harmful bacteria, mould and fungi.



**IS7071AMsi** – a slim-line perimeter or astragal seal consisting of an aluminium carrier with SteriTouch® treated silicone twin-fin gasket. Two IS7071AMsi seals can be installed onto one door stile (or offset on plain meeting stiles if desired). These seals can be surface mounted or rebated.



**IS3022AMsi** – a sweep action door bottom seal with SteriTouch® treated silicone rubber fins. This seal is screw-fixed to the bottom of each door leaf.

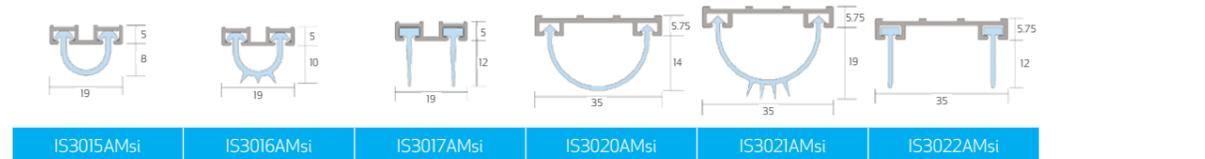
Look for the distinct 'powder-blue' coloured silicone gaskets, your assurance you have the effective antimicrobial protection you demand.

# The Integrity™ Antimicrobial Seal Range

## 1000 Series



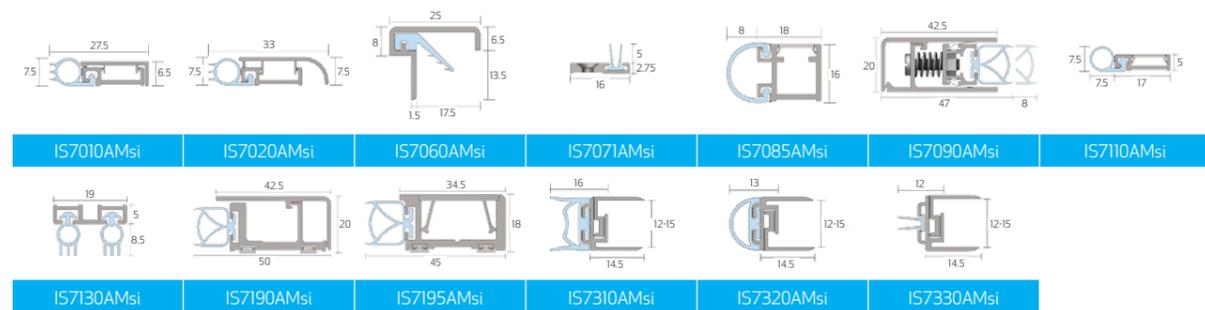
## 3000 Series



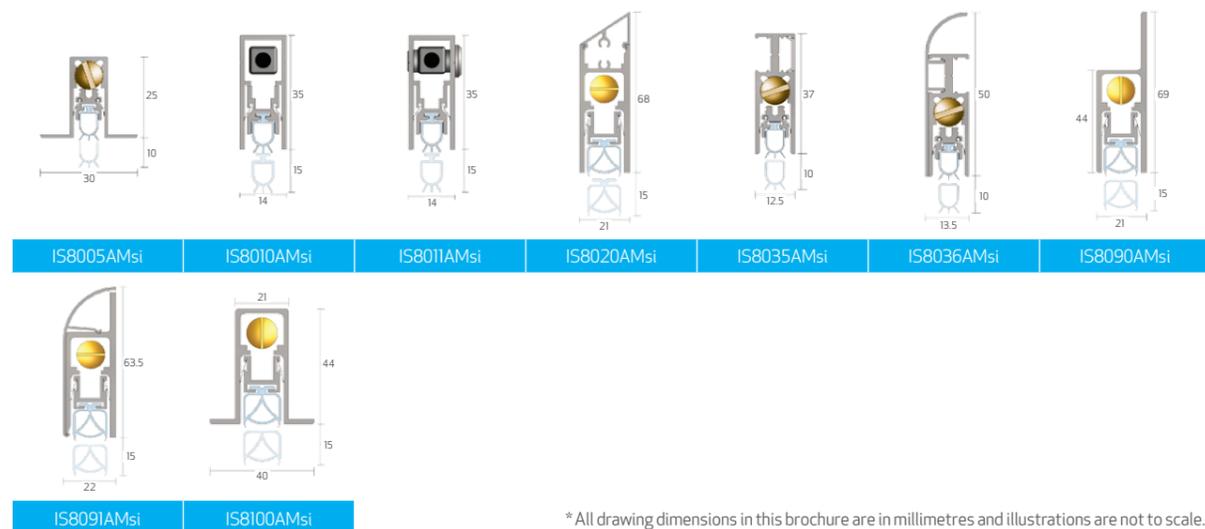
## 5000 Series



## 7000 Series



## 8000 Series



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



**Integrity** 

*Architectural Door Seals*

P +61 7 3635 5000

P 1300 858 010

E [info@kilargo.com.au](mailto:info@kilargo.com.au)

[www.kilargo.com.au](http://www.kilargo.com.au)

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