

Class 1 Building Product Information Sheet

Product Name:

Raven, Astragals, RP16Si

Product Description and its intended use:

RP16Si is an acoustic, smoke astragal. Its proven design is effective in sealing the meeting stiles of plain or rebated double doors. Its aluminium trim neatly conceals the sealing portion of the seal and provides a secure weatherproof rebate stop. If necessary, its aluminium fixing leg can be checked out to allow for looks and latches. For maximum acoustic performance, specify two seals, i.e one for each door leaf. (Minimum door thickness subject to centre latch and dimensions of morticed door bottom seals). RP16Si is used where one door leaf is active. For smoke door magnetic hold open applications such as hospital corridors, sequence select door closers are required.

Location: Meeting stile of double butt hinged doors.

Min/Max Gap: 2.5mm to 8mm.

Finish: Satin clear (silver), bronze, black anodised aluminium (15µm) or paint at extra cost.

Fixing: Screw fix. Zinc plated, cross recess head CSK S.T screws supplied. Can be rebated or surface mounted. Fixing holes are pre-drilled.

Seal: RP316Si. Grey or black silicon rubber (SE).

Sizes: Available in stock lengths.

Product Identifier:

Raven, RP16Si

Place of Manufacturer:

Wuxi, Peoples Republic of China

Legal and trading name of the manufacturer

Raven Architectural Products (Wuxi) Co., Ltd

Address for service:

Unit 3 & 4, No 18 Antai 2nd Road, Xishan District, Wuxi City,
Jiangsu Province, 214107 China

Website:

www.raven.com.au

Email:

sales@ravensealing.com

Phone number:

(86) 0510 8503 4560 8012

NZBN:

N/A

Legal and trading name of the importer:

Raven Product Ltd

Address of service:

15 Dryden Place, Ellerslie, Auckland 1051, New Zealand

Website:

www.raven.co.nz

Email:

service@raven.co.nz

Phone number:

(64) 9 579 2744

NZBN:

9429000007696

Relevant Building Code clauses:

- NZBC G6 (Airbourne & Impact Sound):
- NZBC H1/AS1 (Energy Efficiency): clause H1/AS1 2.1.1.1 & 2.1.1.1 (a)
- NZBC C (Protection from Fire): clause C/AS2 4.16.2.

Statement on how the building product is expected to contribute to compliance:

- NZBC G6: Reducing the amount of sound that passes through a door set is a common application for Raven door seals. Sealing door gaps is of prime importance when helping to reduce the amount of sound entering or leaving a room or building. Unlike air, where the amount flowing through a gap changes in proportion to the gap size, sound waves move through these gaps with little loss. Consequently, small gaps around a doorway can let through nearly as much sound as an open door. Because of this, any small clearances not sealed can reduce the effectiveness of a solid core door or acoustically engineered door or partition.
- NZBC H1/AS1: Weather and energy door and window seals are designed to prevent draughts, rain water infiltration and energy loss through external doors. Raven produce a variety of seals to suit even the most severe weather conditions that can also significantly improve the thermal efficiency of a building by preventing energy loss up to 50%.
- NZBC C: Raven pioneered smoke door sealing systems, their design effectively reduces smoke leakage around the door margins of smoke door including applications that require fire rated door assemblies. Raven sealing systems comprise perimeter seals, meeting stile seals and door bottom seals. All are tested and certified to the applicable Australian and international standards.

Limitations on the use of the building product:

- The minimum and maximum gap between the door leave and the door stop has to be between 2.5-8mm
- Raven, RP16Si has to be installed on the meeting stile of double butt hinged doors.

Design requirements that would support the appropriate use of the building product:

RP16Si is used where one door leaf is active. For smoke door magnetic hold open applications such as hospital corridors, sequence select door closers are required.
Location: Meeting stiles of double butt hinged doors.
Min/Max Gap: 2.5mm to 8mm

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Installation requirements:

For best results, it is better to use two seals, that is one for each leaf. <ol style="list-style-type: none">1. Slide gasket back to prevent damage to the rubber seal. Machine cut aluminium holder to required length.2. Remove sharp edges with a file.3. Slide gasket back into position leaving a generous length overhang.4. Use 2mm diameter for pivot holes for screws.5. Position seal on door and carefully trim gasket to suit application using a sharp wet blade.6. Drive screws firmly into pilot holes but do not over tighten.7. Open and close door to check correct latching.

Maintenance requirements:

N/A

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

No

If yes, description of the warning or ban under section 26:

N/A

Version

Ver: 1.00

Date:

10 th Oct. 2023
