Class 1
Building Product Information Steet

Product Name:

Raven, Astragals, RP71Si

Product Description and its intended use:

A medium temperature smoke astragal seal designed for plain or rebated meeting stiles of timber double doors where a centre latch bolt may be required or, where both doors are active. The seal is achieved by a pair of silicon fins. Two RP71Si seals are installed on to the one door stile which allows space for a latch between the two seals. The Legs of the seals can be checked out to accommodate the latch bolt front plate providing a continuous seal. Note: Minimum door thickness subject to centre latch and dimensions of morticed door bottom seals.

Location: Meeting stile of double butt hinged and centre pivot double acting doors.

Min/Max Gap: 3mm to 5mm.

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

Fixing: Screw fix. Colour matched zinc plated, cross recess head CSK S.T. screws supplied. Fixing holes are pre-driled and countersunk.

Seal: RP371Si. Grey or black silicon rubber (SE).

Sizes: Available in stock lengths.

Product Identifier:

Raven, RP71Si

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 3-5mm
- Raven, RP71Si has to be installed on the meeting stile of double butt hinged and centre pivot double acting doors.

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

Note: Minimum door thickness subject to centre latch and dimensions of morticed door bottom seals.
Location: Meeting stiles of double butt hinged and centre pivot double acting doors.
Min/Max Gap: 3mm to 5mm.

Installation requirements:

Minimum door thickness 40mm. Check type and dimensions of latching hardware.

1. Machine Mortise 2.5mm deep x 17mm wide in door stile.
2. Measure required length of seal.
3. Machine cut RP71Si to length.
4. Check out lef of seals to accommodate latch plate taking care that screw line up accordingly.
5. Use 2mm drill as pilot holes for screws.
6. Centre punch inside of aluminum channel to prevent silicon gasket from moving.
7. Screwfix.
8. Open and close door to check sealing action.

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:

10th Oct. 2023