Class 1
Building Product Information Steet

Product Name:

Raven, Door Frame / Perimeter Seal, RP47Si

Product Description and its intended use:

A heavy duty seal designed to replace the conventional doorstop. The RP47Si is ideal for medium temperature smoke / fire door applications and has excellent acoustic qualities for heavy traffic areas. With concealed fixings and adjustable fastener slots to achieve an optimum seal, a space for low voltage cable management can be found behind a tamper proof cover strip. RP47Si can be mitred or butt jointed for a neat installation. Can be used on all four sides of the door to form a bulk head seal.

Note: If fixing to rebated frames of single doors, specify a long backset door latch.

Location: Head and jambs of single and double butt hinged or bulk head applications.

Min/Max Gap: 0mm to 17mm.

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

Fixing: Concealed screw fix. Zinc plated, cross recess head S.T screws and cover strip supplied.

Seal: RP347Si. Black silicon rubber (SE).

Sizes: Available in door set sizes or stock lengths.

Product Identifier:

Raven, RP87Si

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.
- FRL & FRR-/240/30.

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 0-17mm
- Raven, RP47Si has to be installed on the head and jambs of single and double butt hinged doors or bulk head applications.

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

Note: If fixing to rebated frames of single doors, specify a long backset door latch.
Location: Head and jambs of single and double butt hinged doors or bulk head applications.
Min/Max Gap: 0mm to 17mm

Installation requirements:

If a face mounted seal is to be fitted, fit the RP47Si to the door frame first (user determined). Should circumstances require that the snap-in cover strip be removed, drill a small hole at the bottom of the coverstrip and pull out with a wire hook or suitable tool, A replacement coverstrip will be required. If fixing to rebated frames of single doors, a long backset door latch may be necessary. Precise cutting measurements are important particularly at the corner joints.

1. Remove coverstrip and slide gasket back when machine cutting to size. This avoids gasket damage. Machine cut the aluminium base to size.
2. Cut gasket to size with a wet craft knife.
3. With the door closed and the cover strip removed, position the seal at the head of the door first. The door should rest lightly against the RP47Si gasket. Lightly screw fix in the centre of every adjusting slot. Proceed to fit the seals.
4. Shut the door and adjust the seal to ensure a consistent seal all around. A tight seal is not necessary. The door should just firmly hold this sheet of paper to ensure a prefect seal.
5. Open and shut the door to check for correct latching. Tighten all fixing screws.
6. Machine cut aluminum coverstrip to size.
7. Fit coverstrip by hoodking leg and pivot. Note: A light tap with a rubber mallet may be required.

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