

# Class 1 Building Product Information Sheet

**Product Name:**

Raven, Door Frame / Perimeter Seal, RP120

**Product Description and its intended use:**

RP120 are co-extruded PVC acoustic and smoke seals. Discreetly located in the protected corners of rebated timber or steel door and window frames. RP120 is suitable for new and retrofit applications. Can be used in conjunction with Raven door bottom seals and astragals and threshold plates.

**Location:** Around rebated frames of single and double butt hinged doors and windows.

**Min/Max Gap:** 3mm to 5.5mm.

**Finish:** Black, Brown and White.

**Fixing:** Aggressive self adhesive backing tape on both sides of the carrier.

Note: Contact surface must be clean, smooth and if painted, well cured. Self adhesive seals will not adhere to oiled or alkyd finishes or to easy clean wash and wear paint surfaces.

**Seal:** RP120 Black, brown or white co-extruded rigid and flexible flame retardant PVC.

**Sizes:** Available in door set sizes or stock lengths. 7.2m pack (6x1.2m).

**Product Identifier:**

Raven, RP120

**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](http://www.raven.com.au)

**Email:**

[sales@ravensealing.com](mailto: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 and FD240

**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 3-5.5mm
- Raven, RP120 has to be installed around rebated frames of single and double butt hinged doors and windows.

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

Location: Around metal or timber rebated frames of single and double butt hinged doors and windows.  
Min/Max Gap: 3mm to 5.5mm.

**Installation requirements:**

During the installation process be careful to avoid removing and repositioning the seal as this may lessen the adhesive bond. Before touch up paint is used, check that the seal is correctly positioned and the door or window opens and latches properly. The door or window must be kept open until all paint is well cured. Soft or uncured paint will bind the door to the seal.

1. Close the door or window. Check the clearance around the perimeter. The gap should not be less than 2.5mm. If required plane or sand the door or window stile edges so that the seal when fitted, allows for easy closing and latching.
2. Ensure that the surface which the seal is to be adhered to is clean, smooth and if painted, well cured.
3. Measure the door or window jamb perimeter to determine seal lengths required.
4. Trim the seal to length with a pair of scissors or knife. (determine mitre or butt joint first)
5. Install the vertical jamb seals first. Peel off about 150mm of the self adhesive backing paper from one end of the seal to expose adhesive. Starting at the top corner of the jamb progressively remove backing paper and run a blunt tool or finger down the centre of the seal. Be sure to fix the seal evenly and firmly into place.
6. Check door or window for the correct closing and 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<sup>th</sup> Oct. 2023